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## DDI IMAGERY ANALYSIS STAFF

NAME Chu Le Hwy. Bridge SE No. 1 over Song Tien <input type="text"/> Bridge No. 28 on NE 48-7	COUNTRY North Vietnam	COORDINATES 18 10N - 105 43E WF761102	25X1
MAP JOG (A) 1501 NE 48-7		BRIEF NO: PIB 75500 February 1967	25X1

LOCATION: 0.7 nm SE of Chu Le on Route 15.

## DESCRIPTION:

LENGTH 70' approx.  
WIDTH 10' approx.  
TYPE Deck probable

MATERIAL Concrete and timber  
NO. OF SPANS 5  
LENGTH OF EACH SPAN

25X1

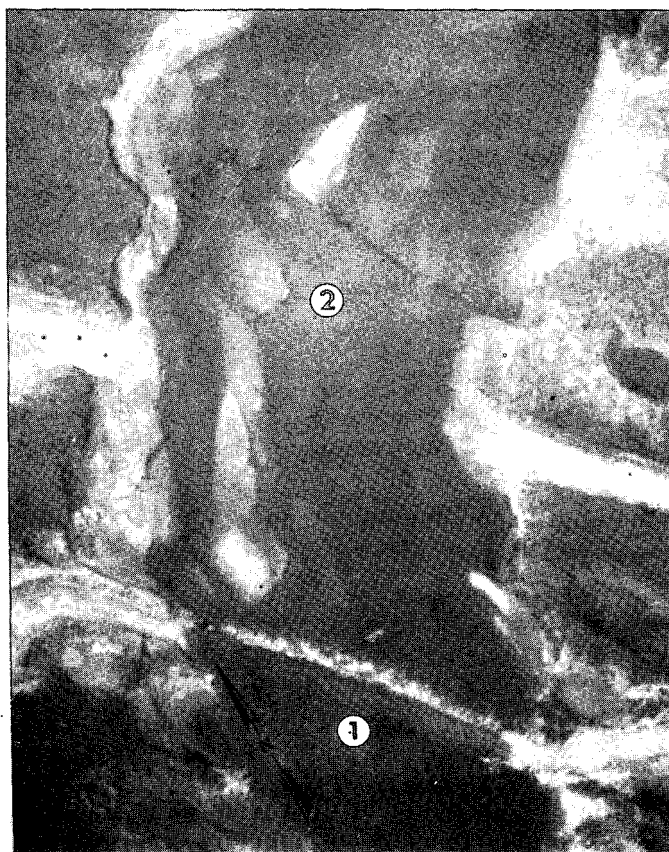
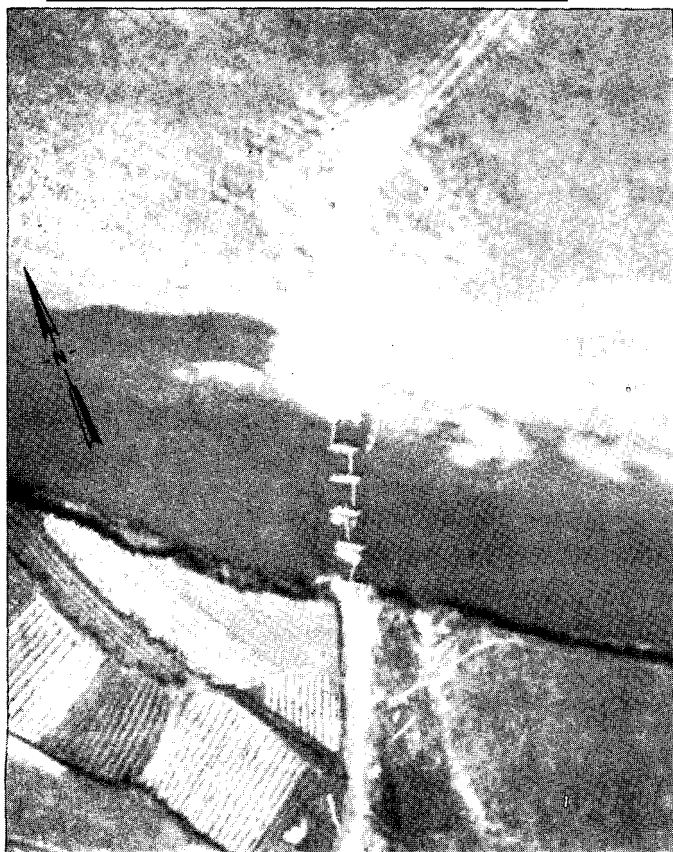
## STATUS:

All piers have been reconstructed.

## COMPENSATIVE ACTION:

- By-Pass No. 1 - constructed 250' x 20' (approx.) ford; probable rock/gravel base; 1830' N of main bridge; serviceable.  
By-Pass No. 2 - constructed 280' x 20' (approx.) ford; probable rock/gravel base; 1890' N of main bridge; serviceable but not in use.

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ban Houei Cui Hwy. Bridge	COUNTRY	North Vietnam	COORDINATES	19 19N - 104 20E VG298357
		over stream [redacted] Bridge No. 7 on NE 48-2				
25X1					BRIEF NO:	
	MAP				JOG (A) 1501 NE 48-2	
LOCATION:						1 nm NW of Ban Houei Cui on Route 7.

## DESCRIPTION:

25X1	LENGTH	70' approx.	MATERIAL	Concrete
	WIDTH	[redacted]	NO. OF SPANS	3
	TYPE	Deck	LENGTH OF EACH SPAN	1 @ 50' approx. 2 @ 10' approx.

## STATUS:

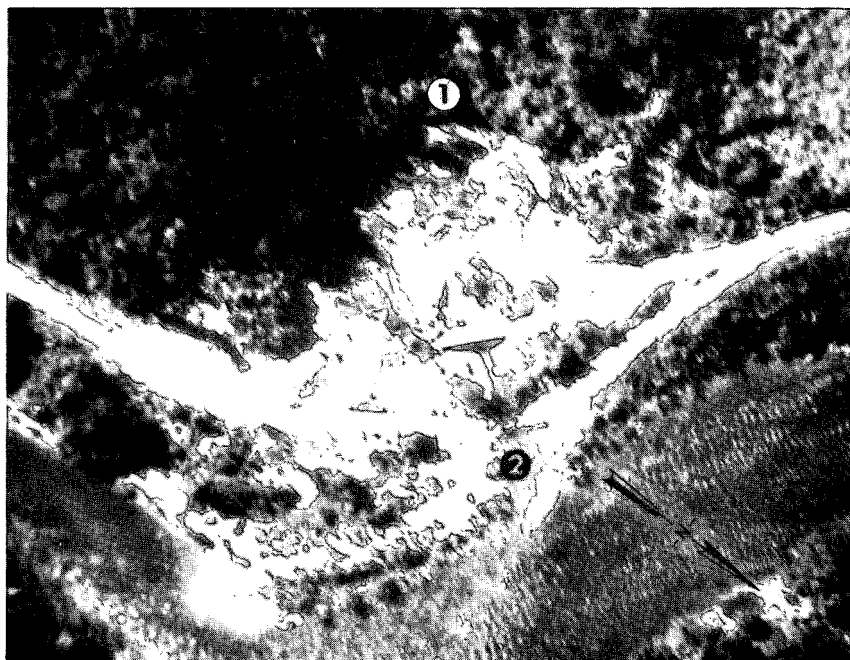
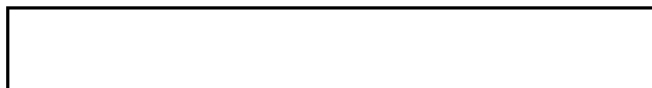
One 10' span and the 50' span dropped; one 10' span moderately damaged.

## COMPENSATIVE ACTION:

By-Pass No. 1 - single span (probable) [redacted] (approx.) wood deck-type bridge; 100' SW of main bridge; undamaged - serviceable.

25X1 By-Pass No. 2 - constructed [redacted] ford; probable rock/gravel base, 35' NE of main bridge; serviceable.

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME Son La Hwy. Bridge Central  
over Nam La [REDACTED]  
Bridge No. 35 on NF 48-10

COUNTRY  
North Vietnam

COORDINATES  
21 19N - 103 54E  
UJ877595

25X1

BRIEF NO:  
PIB 75502  
February 1967

MAP JOG (A) 1501 NF 48-10

LOCATION: At Son La on Route 6.

## DESCRIPTION:

LENGTH 60' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Wood and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 30' approx.

## STATUS:

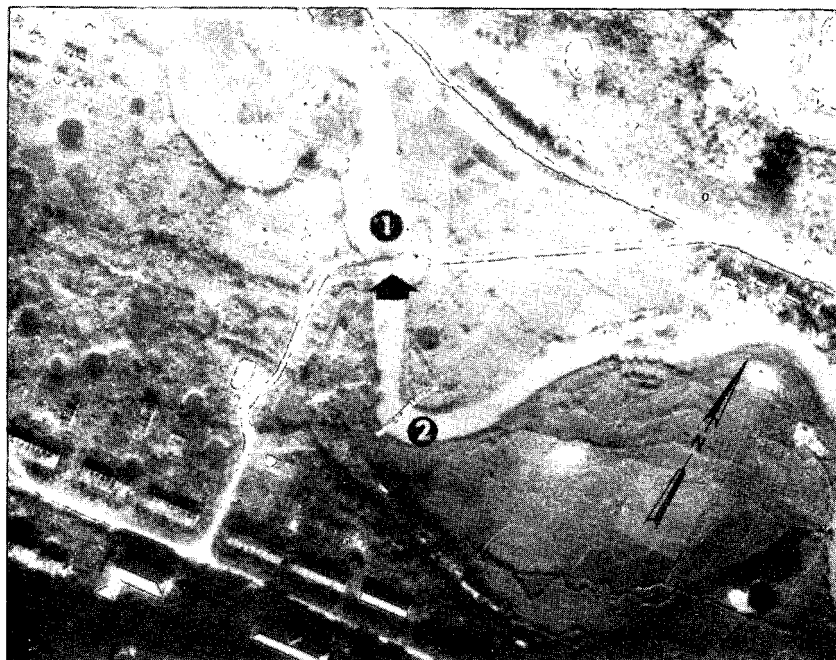
1 span and 1 abutment destroyed.

## COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 60' x 10' (approx.) ford; probable rock/gravel base; immediately N of main bridge; serviceable.  
By-Pass No. 2 - multi-span [REDACTED] (approx.) wood deck-type bridge; 200' S of main bridge; deteriorated and unserviceable.

25X1

25X1

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Xom Ve Hwy. Bridge over Rau Ve [REDACTED] Bridge No. 5 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 54N - 105 49E WE870798
	25X1	[REDACTED]				BRIEF NO: PIB 75503 February 1967

LOCATION: 1.2 nm SW of Xom Hung on Route 15.

DESCRIPTION:

25X1	LENGTH	165' approx.	MATERIAL	Steel and concrete
	WIDTH	[REDACTED]	NO. OF SPANS	3
	TYPE	Half-through truss	LENGTH OF EACH SPAN	1 @ 95' approx. 2 @ 35' approx.

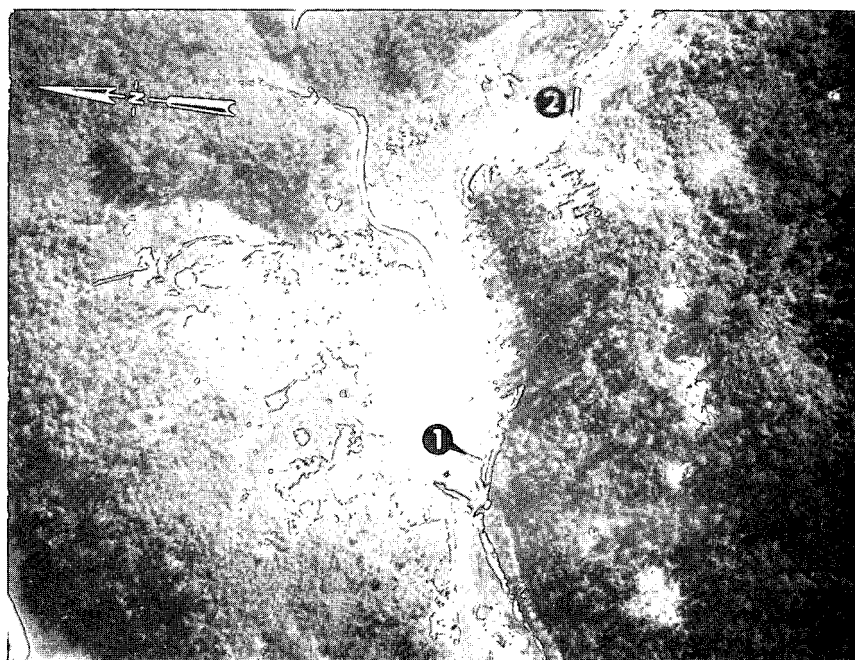
25X1 STATUS: No change [REDACTED]

COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - constructed 70' x 10' (approx.) ford; probable rock/gravel base; 40' E of main bridge; serviceable.

25X1 By-Pass No. 2 - 3-span [REDACTED] (approx.) wood, deck-type bridge with 15' spans, 780' E of main bridge; serviceable.

25X1 [REDACTED]



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GROUP 1  
Excluded from automatic  
downgrading and declassification

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DDI IMAGERY ANALYSIS STAFF

25X1 NAME Thien Linh Dong RR. Bridge  
over Hoang Giang [REDACTED]  
Bridge No. 33 on NE 48-3

COUNTRY North Vietnam

COORDINATES 19 43N - 105 42E  
XG748815

25X1 [REDACTED]

BRIEF NO:  
PIB 75504  
February 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Thien Linh Dong on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

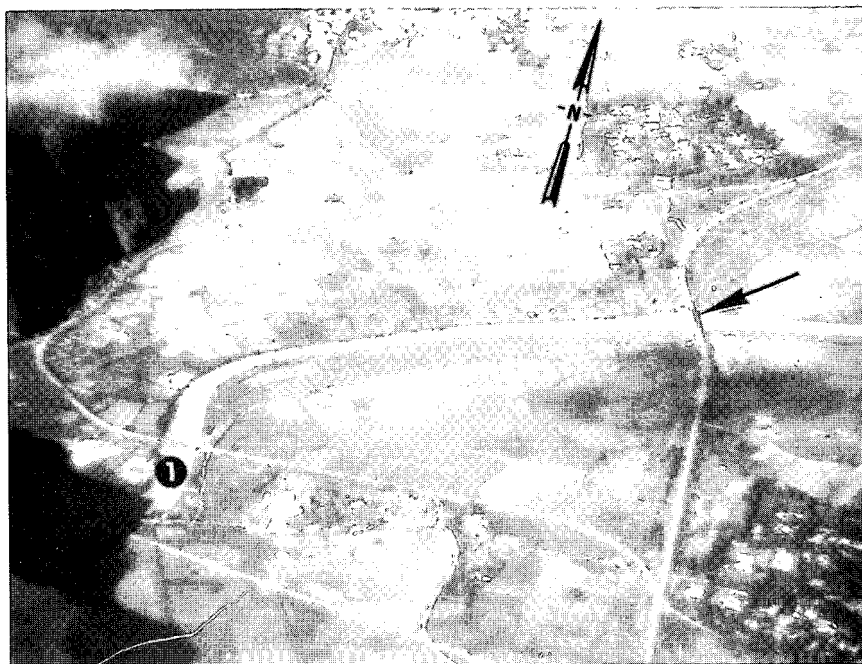
25X1 LENGTH 80' approx.  
WIDTH [REDACTED]  
TYPE Deck-girder

MATERIAL Steel and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 40' approx.

25X1 STATUS: No change [REDACTED]

25X1 COMPENSATIVE ACTION:  
By-Pass No. 1 [REDACTED] probable 4-span [REDACTED] (approx.) steel 25X1  
and timber deck-beam bridge with spans measuring [REDACTED] approx.;  
1800' W of main bridge; repaired and serviceable. 25X1

25X1 [REDACTED]



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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Thinh Lac RR. Bridge over stream   
 25X1 Bridge No. 12 on NE 48-3 North Vietnam

COORDINATES 19 40N - 105 42E  
 WG741748

BRIEF NO:  
 PIB 75505  
 February 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.2 nm E of Thinh Lac on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 100' approx.  
 WIDTH 10' approx.  
 TYPE Through-truss

MATERIAL Steel and concrete  
 NO. OF SPANS 3  
 LENGTH OF EACH SPAN

25X1

## STATUS:

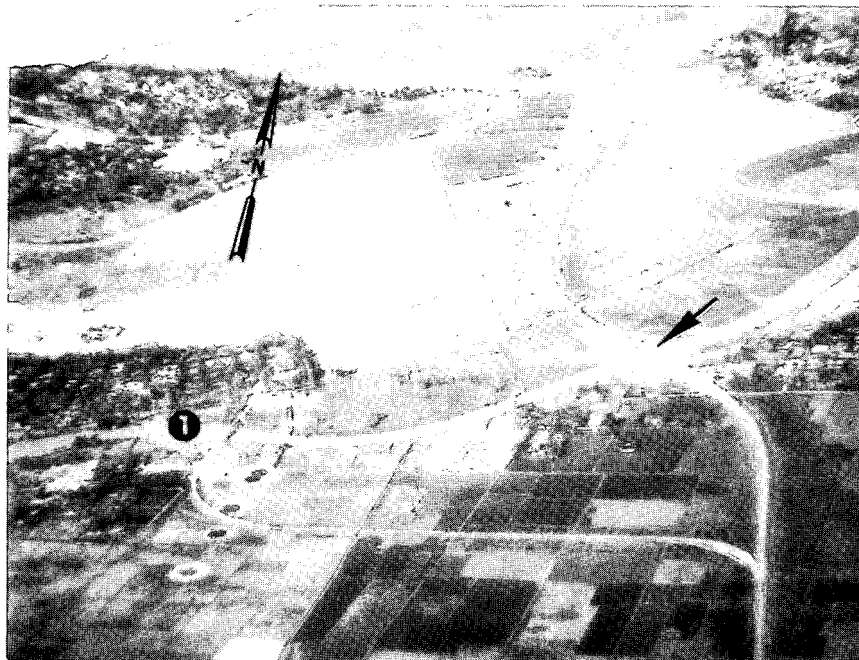
25X1 Original destroyed bridge replaced by a 4-span, steel and timber deck-beam bridge  approx.; with spans measuring 25'; serviceable.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1  4-span  (approx.) steel and timber deck beam bridge with spans measuring 25'; 1500' W of main bridge; serviceable.

25X1

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Xom Ca Trang Hwy. Bridge No. 1 over Rao Cai [REDACTED] COUNTRY North Vietnam COORDINATES 17 57N - 105 49E WE873856

25X1 [REDACTED] BRIEF NO: PIB 75506 February 1967

MAP JOG (A) 1501 NE 48-11

LOCATION: 0.6 nm W of Xom Ca Trang on Route 15.

## DESCRIPTION:

25X1 LENGTH 350' approx. MATERIAL Concrete and steel

WIDTH [REDACTED] NO. OF SPANS 4

TYPE Deck LENGTH OF EACH SPAN 2 @ 90' approx.  
2 @ 85' approx.

25X1 STATUS: No change [REDACTED]

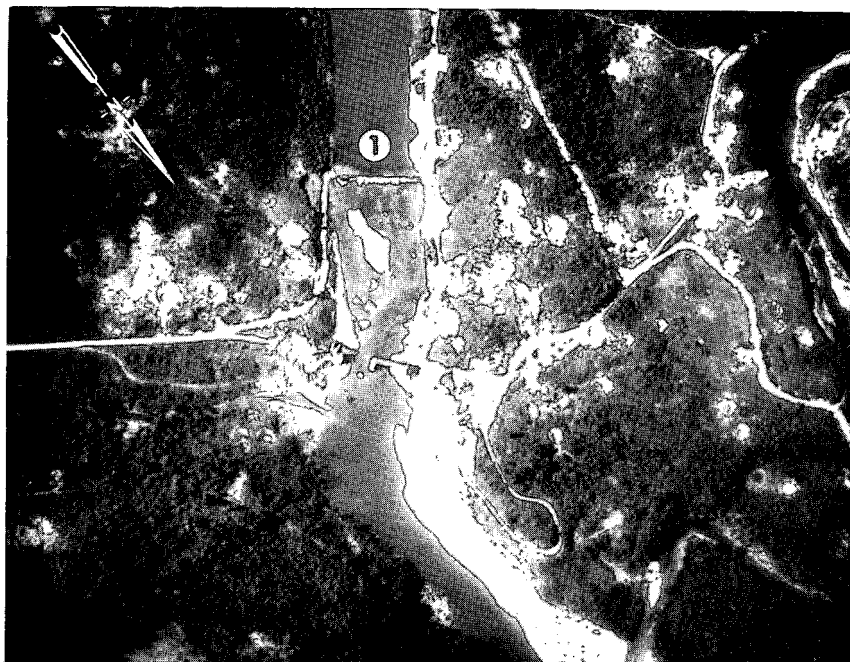
## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] constructed 200' x 20' (approx.) ford; probable rock/gravel base; 400' SW of main bridge; serviceable.

By-Pass No. 2 - single span 270' x 10' (approx.); steel and timber cable bridge; 1900' SW of main bridge; possibly a dummy bridge.

By-Pass No. 3 - single span 270' x 10' (approx.); steel and timber cable bridge; 3000' SW of main bridge; possibly a dummy bridge.

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Xom Khe RR. Bridge over Khe Net [REDACTED] Bridge No. 11 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 58N - 105 56E WF987978
	25X1	[REDACTED]			BRIEF NO:	PIB 75507 February 1967
	MAP	JOG (A) 1501 NE 48-11				

LOCATION: 0.2 nm SW of Xom Khe on the Vinh/Dong Hoi Rail Line.

## DESCRIPTION:

25X1	LENGTH	200' approx.	MATERIAL	Steel and timber
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	4
	TYPE	Deck-beam bridge supported by lattice towers	LENGTH OF EACH SPAN	50' approx.

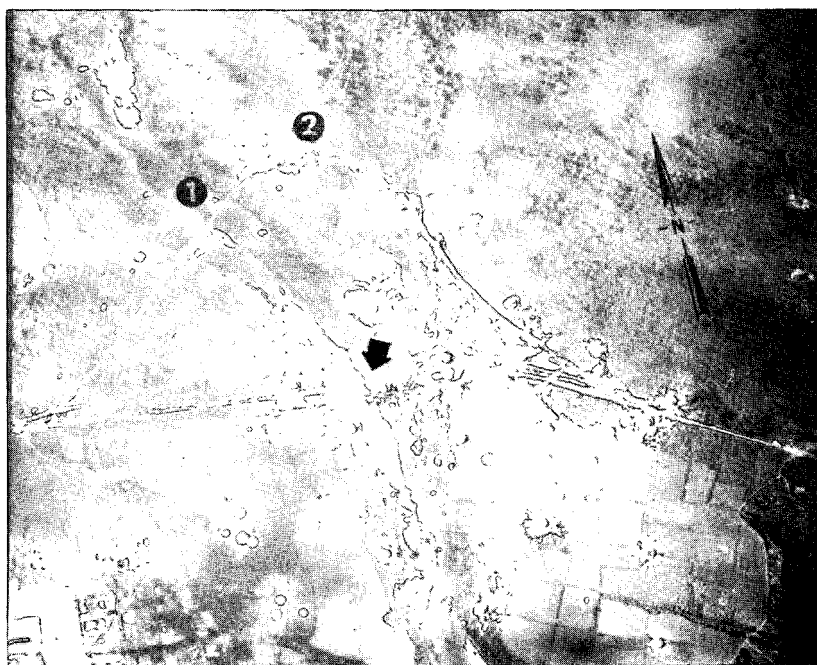
STATUS: Original bridge has been destroyed and is replaced by a 14 span, deck-beam bridge measuring 230' x 5' approx. supported by A-frames and cables. The rail line does not connect with the segment of track over the bridge, suggesting that the bridge is used only to shuttle material over the river.

## COMPENSATIVE ACTION:

By-Pass No. 1 - probable 10 span 270' x 5' (approx.) wood and steel deck-beam bridge supported by A-frames, with spans measuring [REDACTED] approx.; 1170' N of main bridge; serviceable. 25X1

By-Pass No. 2 - 15 span 225' x 5' (approx.) wood and steel deck-beam bridge supported by A-frames, with spans measuring 15 @ 15' approx.; 1170' NNE of main bridge; serviceable.

25X1

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 GROUP 1  
 Excluded from automatic  
 downgrading and declassification

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Lien Ho Hao Hwy. Bridge Bridge No. 26 on NE 48-3	North Vietnam	19 32N - 105 47E WG825599
		BRIEF NO: PIB 75508 February 1967
MAP JOG (A) 1501 NE 48-3		

LOCATION: 0.9 nm E of Lien Ho Hao on Route 701.

## DESCRIPTION:

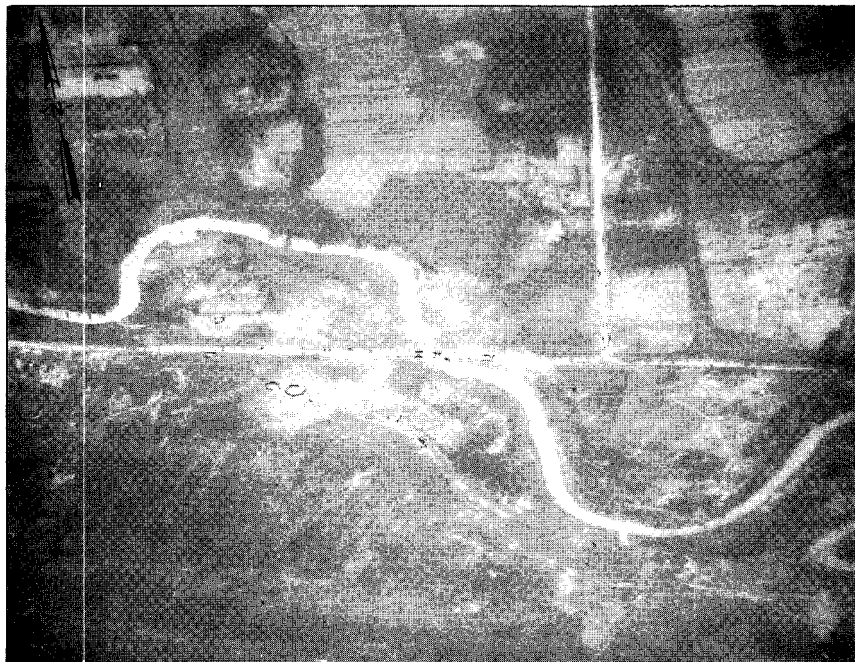
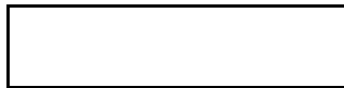
LENGTH 60' approx.  
WIDTH   
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 60' approx.

STATUS: Bridge rebuilt and serviceable.

## COMPENSATIVE ACTION:

None

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Dong Tam RR. Bridge Bridge No. 18 on NE 48-11	North Vietnam	17 49N - 106 06E XE166716
25X1 [REDACTED]		BRIEF NO: PIB 75509 February 1967
MAP	JOG (A) 1501 NE 48-11	

LOCATION: 0.3 nm SW of Dong Tam on an abandoned segment of the Vinh/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 60' approx.  
WIDTH 15' approx.  
TYPE Deck

MATERIAL Timber and steel  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 60' approx.

## STATUS:

Being converted into a probable timber deck-beam bridge supported by A-frames for probable future rail traffic.

## COMPENSATIVE ACTION:

- 25X1 By-Pass No. 1 - constructed [REDACTED] (approx.) ford; probable rock/gravel base; 650' NNE of main bridge; serviceable to vehicles.
- 25X1 By-Pass No. 2 - constructed [REDACTED] (approx.) ford; probable rock/gravel base; 800' N of main bridge; serviceable to vehicles.

25X1

[REDACTED]~~CONFIDENTIAL~~

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Kieu Moc Phuong Hwy. Bridge	COUNTRY		COORDINATES	
		SE over stream [REDACTED]			17 50N - 106 05E	
25X1		Bridge No. 21 on NE 48-11	North Vietnam		XE155726	
		[REDACTED]			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-11			PIB 75510	
					March 1967	

LOCATION: 0.5 nm SE of Ha Son Trang on the Vinh/Dong Hoi Rail Line.

## DESCRIPTION:

25X1	LENGTH	50'	MATERIAL	Concrete
	WIDTH	[REDACTED]	NO. OF SPANS	1
	TYPE	[REDACTED]	LENGTH OF EACH SPAN	50'
		Deck		

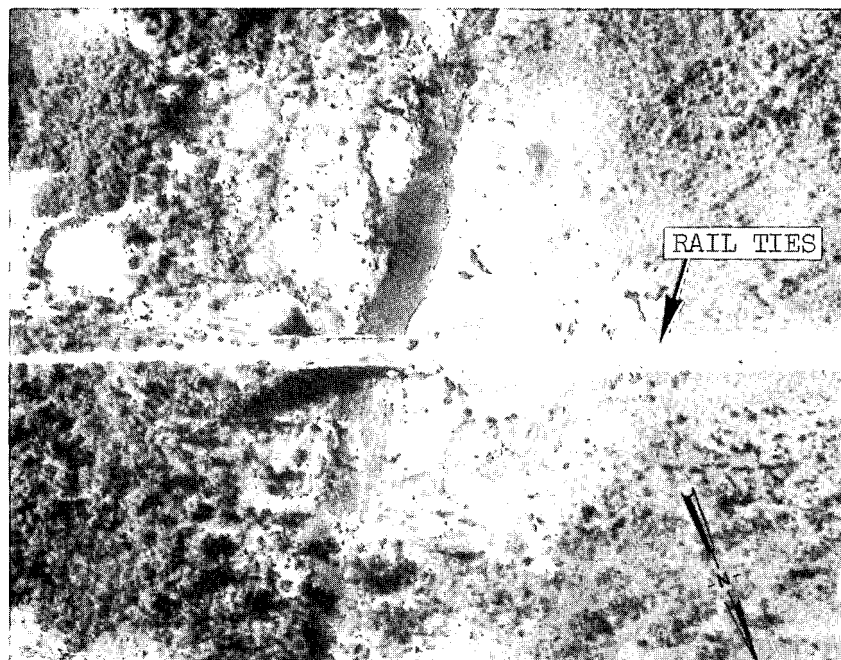
25X1 STATUS: No change [REDACTED]

25X1 COMPENSATIVE ACTION:

By-Pass No. 1 - constructed [REDACTED] ford; probable rock/gravel base; 1600' NE of main bridge; serviceable to vehicle traffic only. (By-pass not shown on photo).

25X1 [REDACTED]

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME	COUNTRY	COORDINATES
Ha Son Trang RR. Bridge over stream <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>	North Vietnam	17 50N - 106 04E
Bridge No. 24 on NE 48-11		XE143735

25X1

MAP	BRIEF NO:
JOG (A) 1501 NE 48-11	PIB 75511
	February 1967

LOCATION: 0.4 nm N of Ha Son Trang on Vinh/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 40' approx.  
 WIDTH 10' approx.  
 TYPE Deck

MATERIAL Concrete  
 NO. OF SPANS 1 probable  
 LENGTH OF EACH SPAN 40' approx.

## STATUS:

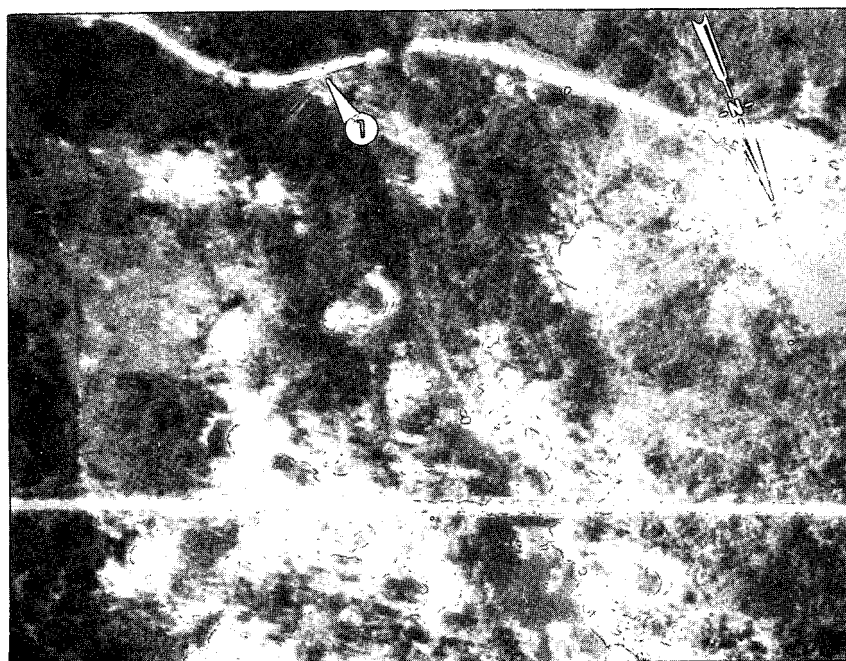
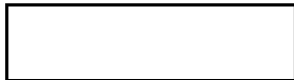
Serviceable to rail traffic.

## COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - 3-span  (approx.) timber deck bridge with 15' spans;  
 280' S of main bridge; serviceable to vehicles only.

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Kieu Moc Phuong RR. Bridge W over stream [REDACTED] Bridge No. 25 on NE 48-11	COUNTRY	North Vietnam	COORDINATES	17 51N - 106 03E XE128743
	25X1	[REDACTED]			BRIEF NO:	PIB 75512 February 1967
MAP		JOG (A) 1501 NE 48-11				
LOCATION: 0.8 nm SE of Tam Dong Phuong on Vinh/Dong Hoi Rail Line.						

## DESCRIPTION:

25X1	LENGTH	90' approx.	MATERIAL	Timber and old concrete piers
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	10 approx.
	TYPE	Deck-beam with bents	LENGTH OF EACH SPAN	[REDACTED]

25X1

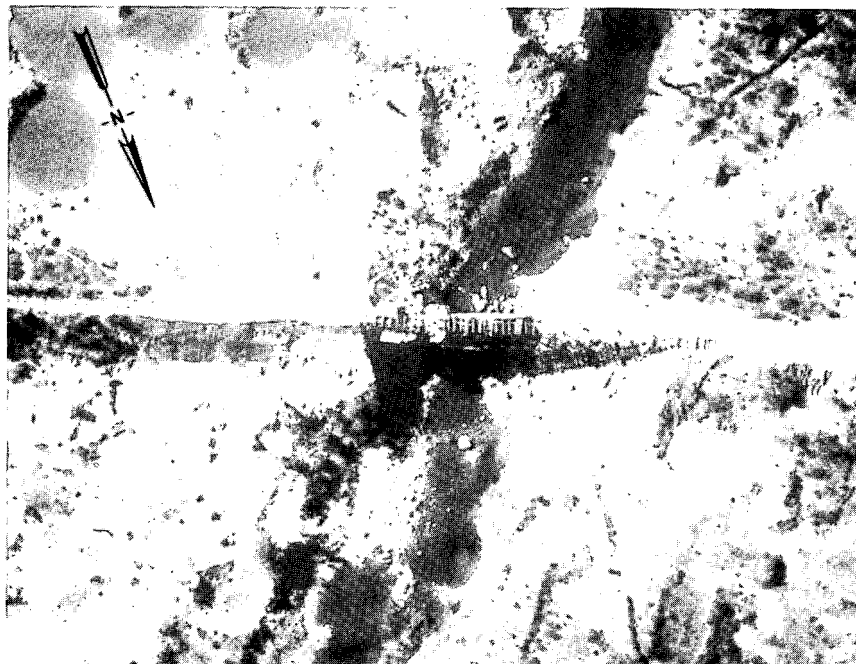
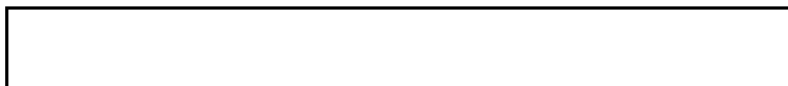
## STATUS:

Serviceable.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - constructed [REDACTED] (approx.) ford; probable rock/gravel base; 600' NE of main bridge; serviceable to vehicle traffic only.

25X1

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GROUP 1

Excluded from automatic  
downgrading and  
declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Dong Bai Hwy. Bridge over Khe Ngang <input type="text"/>	COUNTRY		COORDINATES	
		Bridge No. 41 on NE 48-11		North Vietnam		17 38N - 106 17E XE364506
25X1		<input type="text"/>			BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-11				PIB 75513 February 1967
LOCATION: 0.8 nm E of Dong Bai on Route 101.						

## DESCRIPTION:

LENGTH 40' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS Undetermined  
LENGTH OF EACH SPAN Undetermined

## STATUS:

Partially reconstructed.

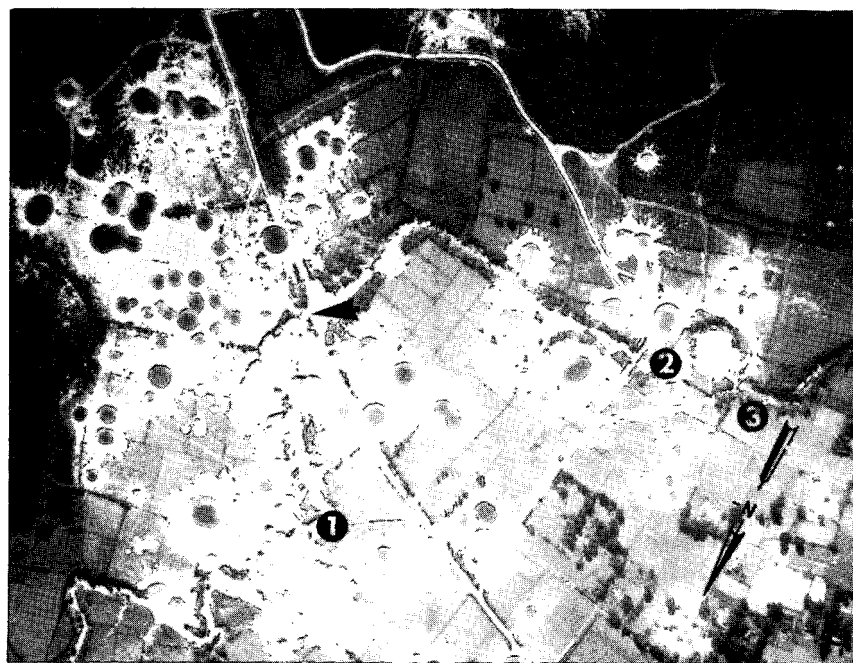
## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - single span  (approx.) wood deck-type bridge;  
600' NNW of main bridge; serviceable.

25X1 By-Pass No. 2 - single span  (approx.) wood deck-type bridge;  
950' WSW of main bridge; serviceable.

25X1 By-Pass No. 3 - single span  (approx.) wood deck-type bridge;  
1250' WSW of main bridge; serviceable.

25X1

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DDI IMAGERY ANALYSIS STAFF

<b>NAME</b> Ban Pieng Hom Hwy. Bridge Bridge No. 3 on NE 48-2	<b>COUNTRY</b> North Vietnam	<b>COORDINATES</b> 19 22N - 104 13E VG187418
<b>MAP</b> JOG (A) 1501 NE 48-2		<b>BRIEF NO:</b> PIB 75514 March 1967

**LOCATION:** 1 nm NW of Ban Pieng Hom on Route 7.

**DESCRIPTION:**

**LENGTH** 150' approx.  
**WIDTH** 10' approx.  
**TYPE** Deck

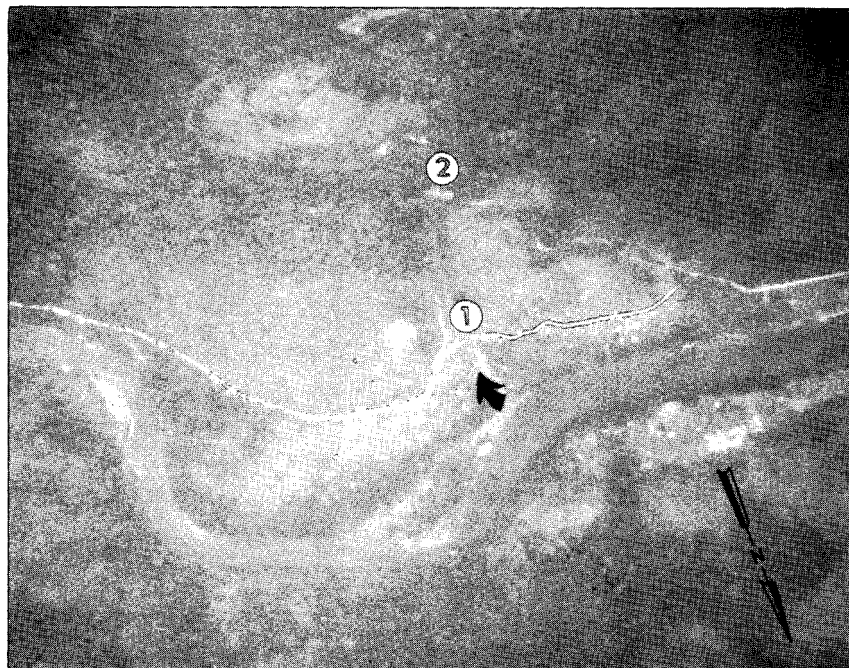
**MATERIAL** Concrete  
**NO. OF SPANS** 3  
**LENGTH OF EACH SPAN** 50' approx.

**STATUS:**

No change

**COMPENSATIVE ACTION:**

By-Pass No. 1 - [ ] no change [ ]  
 By-Pass No. 2 - single-span [ ] (approx.) probable wood deck-type  
 bridge; 800' S of main bridge; probably serviceable.



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DDI IMAGERY ANALYSIS STAFF

25X1

25X1

NAME	Long Ngoc RR. and Hwy. Bridge	COUNTRY		COORDINATES	
	over unknown barrier				19 05N - 105 35E
	Bridge No. 48 on NE 48-3	North Vietnam			WG629112
				BRIEF NO:	
				PIB 75515	
MAP	JOG (A) 1501 NE 48-3			March 1967	

LOCATION: 0.5 nm SW of Xom Con Thanh on Route 1A.

DESCRIPTION:

LENGTH 120' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Steel and concrete  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 40' approx.

STATUS:

Serviceable - possibly repaired using rock fill to form a causeway.

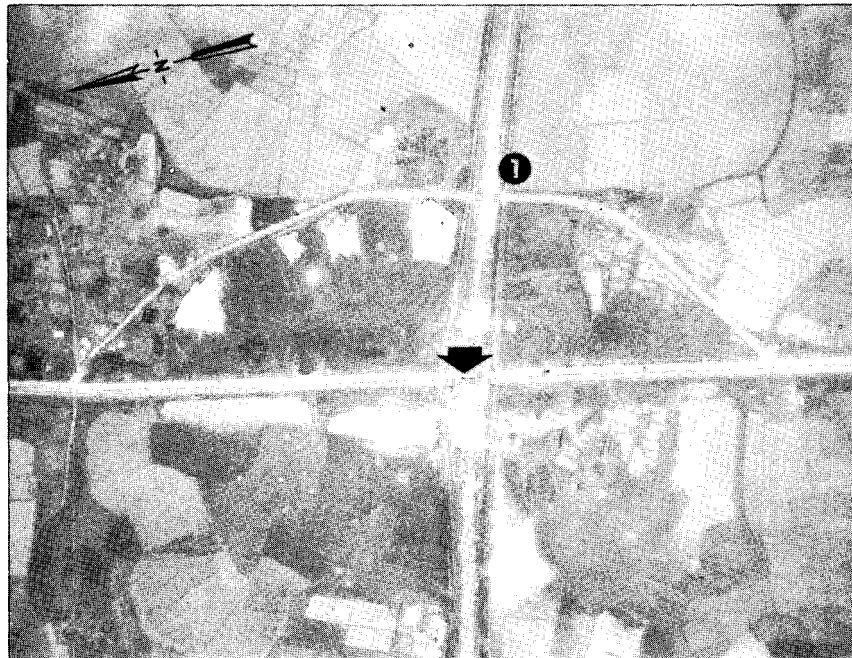
COMPENSATIVE ACTION:

25X1

25X1

By-Pass No. 1 -  +span  (approx.) timber deck type bridge with 15' spans; approx. 300' E of main bridge; possibly serviceable.

25X1



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DDI IMAGERY ANALYSIS STAFF

25X1	NAME Long Ngoc RR. and Hwy. Bridge	COUNTRY North Vietnam	COORDINATES 19 05N - 105 35E WG628112
	over unknown barrier [redacted] Bridge No. 19 on NE 48-3		
25X1	[redacted]		BRIEF NO: PIB 75516 March 1967
	MAP JOG (A) 1501 NE 48-3		
LOCATION: 0.5 nm SW of Xom Con Thanh on Hanoi/Dong Hoi Rail Line.			

DESCRIPTION:

25X1	LENGTH	120' approx.	MATERIAL	Concrete and steel
	WIDTH	[redacted]	NO. OF SPANS	3
	TYPE	(Single track) Deck	LENGTH OF EACH SPAN	40' approx.

STATUS:

Repaired and serviceable.

COMPENSATIVE ACTION:

NA

25X1 [redacted]



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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Loc Dien Hwy. Bridge over stream   
Bridge No. 12 on NE 48-11

COUNTRY North Vietnam

COORDINATES 17 45N - 106 23E  
XE472640

25X1

BRIEF NO:  
PIB 75517  
March 1967

MAP JOG (A) 1501 NE 48-11

LOCATION: 0.2 nm SW of Thanh Son on Route 110.

## DESCRIPTION:

LENGTH 45' approx.  
WIDTH 10' approx.  
TYPE Deck

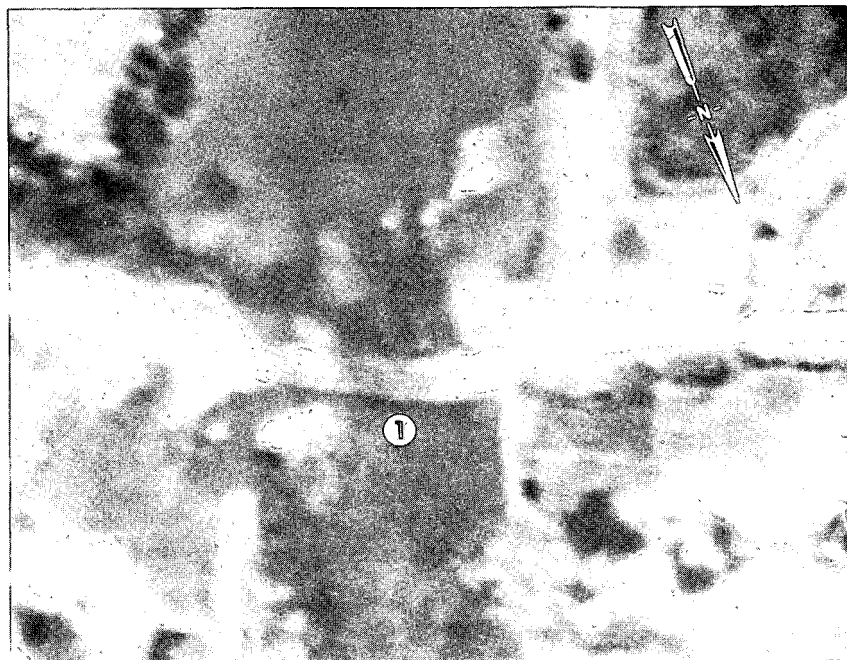
MATERIAL Timber  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 15' approx.

25X1 STATUS: No change

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - constructed  approx. ford; probable rock/gravel base; alongside main bridge; serviceable.

25X1

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DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Tu My RR. Bridge Bridge No. 89 on NE 48-7	North Vietnam	18 59N - 105 34E WG611001
		BRIEF NO: PIB 75518 March 1967

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.1 nm E of Tu My on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 60' approx.  
WIDTH 10' approx. (Single track)  
TYPE Deck-beam

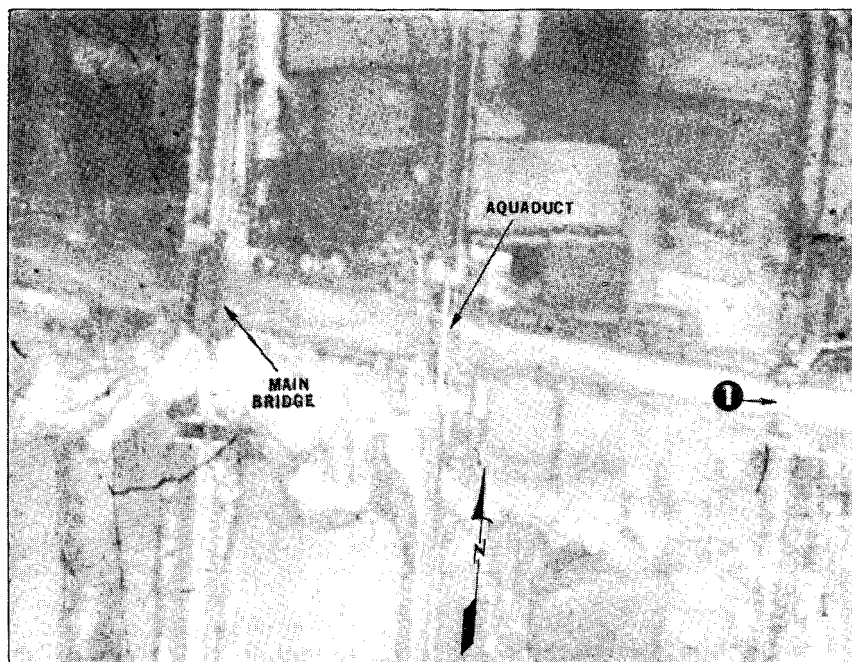
MATERIAL Probable wood, concrete, and steel  
NO. OF SPANS 2 probable  
LENGTH OF EACH SPAN 30' approx.

STATUS:

Bridge has been rebuilt.

COMPENSATIVE ACTION:

By-Pass No. 1 - single-span (approx.); probable wood deck-beam bridge; 300' E of main bridge; partially dismantled and unserviceable.



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## DDI IMAGERY ANALYSIS STAFF

NAME Ban Thay Hwy. Bridge over Houei Acai [REDACTED] Bridge No. 1L on NE 48-15	COUNTRY Laos	COORDINATES 16 35N - 106 05E XD161342
[REDACTED]		BRIEF NO: PIB 75519 March 1967
MAP JOG (A) 1501 NE 48-15		

LOCATION: 1.2 nm NE of Ban Thay on Route 9.

## DESCRIPTION:

LENGTH 75' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Timber  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN 25' approx.

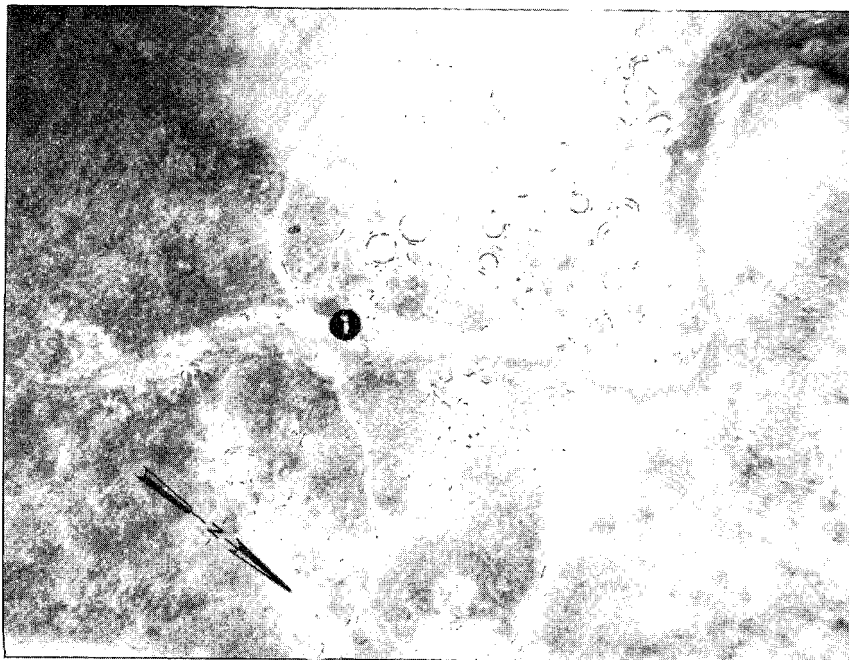
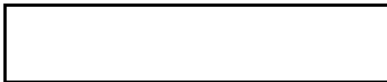
## STATUS:

All spans dropped.

## COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 55' x 10' (approx.) ford; probable rock/gravel base; 275' S of main bridge; serviceable.

25X1

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DDI IMAGERY ANALYSIS STAFF

NAME Na Khao Hwy. Bridge over Houei Vong <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> Bridge No. 5L on NF 48-14	COUNTRY  Laos	COORDINATES  20 20N - 104 19E VH299495
MAP JOG (A) 1501 NF 48-14		BRIEF NO: PIB 75520 March 1967

LOCATION: 0.8 nm SW of Ban Nahia on Route 65.

DESCRIPTION:

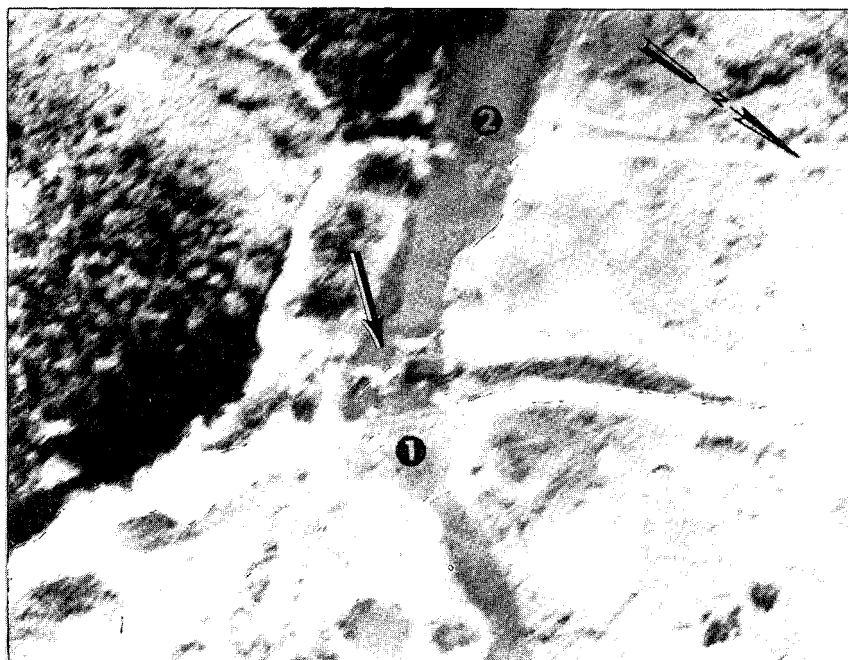
LENGTH 100' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 4 probable  
LENGTH OF EACH SPAN 25' approx.

STATUS: 1 abutment destroyed, 4 spans destroyed.

COMPENSATIVE ACTION:

- By-Pass No. 1 - constructed 100' x 15' (approx.) ford; probable rock/gravel base; 45' NE of main bridge; serviceable.
- By-Pass No. 2 - constructed 100' x 15' (approx.) ford; probable rock/gravel base; 200' SW of main bridge; serviceable.



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## DDI IMAGERY ANALYSIS STAFF

<b>NAME</b> Sepone Hwy. Bridge No. 2 Bridge No. 14L on NE 48-15	<b>COUNTRY</b> Laos	<b>COORDINATES</b> 16 41N - 106 15E XD328454
<b>MAP</b> JOG (A) 1501 NE 48-15		<b>BRIEF NO:</b> PIB 75521 March 1967

**LOCATION:** 0.3 nm NE of Sepone on Route 9.

**DESCRIPTION:**

**LENGTH** 15'  
**WIDTH** 10'  
**TYPE** Deck

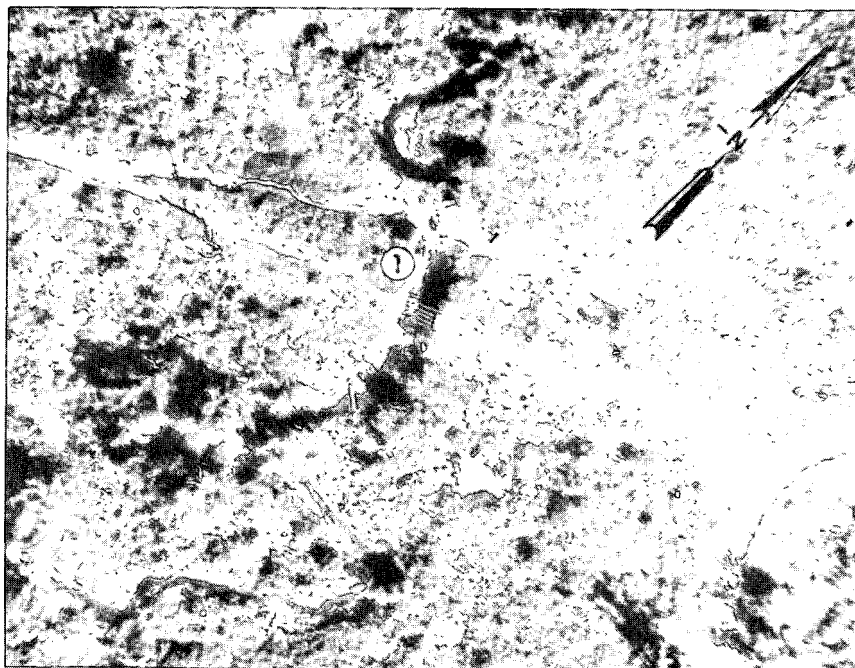
**MATERIAL** Wood decking and concrete abutments  
**NO. OF SPANS** 1  
**LENGTH OF EACH SPAN** 15'

**STATUS:**

New probable beams have been laid on the old abutments. No sign of removeable decking has been noted; approaches appear unused.

**COMPENSATIVE ACTION:**

By-Pass No. 1 - constructed   ford/causeway; probable rock/gravel base; 40' N of main bridge; overgrown - used for foot traffic only.

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DDI IMAGERY ANALYSIS STAFF

25X1

NAME Muong Dai Hwy. Bridge over  
Nam Soi   
Bridge No. 4L on NF 48-14

COUNTRY  
Laos

COORDINATES  
20 17N - 104 37E  
VH609438

25X1

BRIEF NO:

PIB 75522  
March 1967

MAP JOG (A) 1501 NF 48-14

LOCATION: At Muong Dai on an unnumbered route.

DESCRIPTION:

LENGTH 60' approx.  
WIDTH 10' approx.  
TYPE Deck

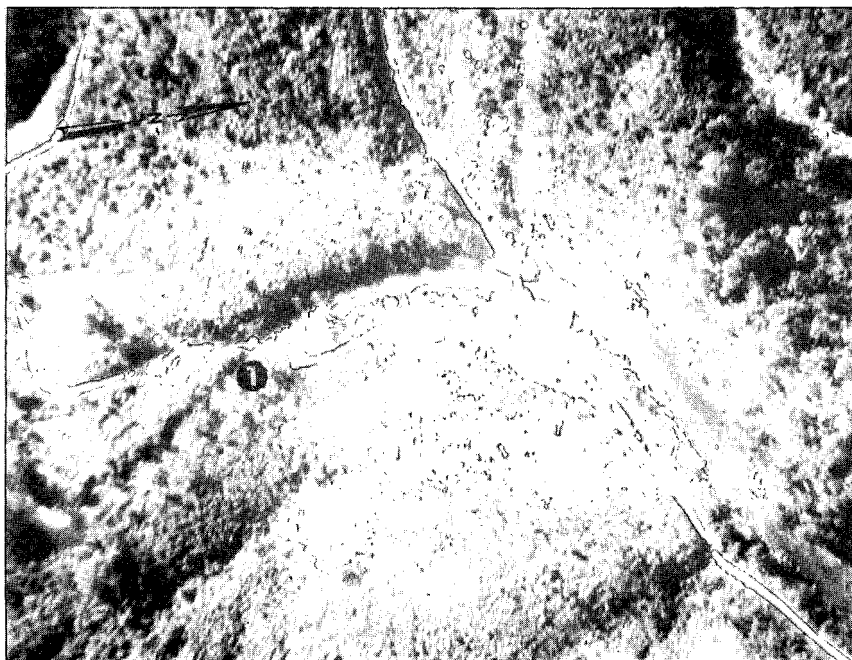
MATERIAL Concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 30' approx.

STATUS: 1 abutment slightly damaged; bridge repaired and serviceable.

COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 90' x 15' (approx.) ford; probable rock/gravel base; 530' S of main bridge; serviceable.

25X1



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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	My Hoa Hwy. Bridge over Song Dua [REDACTED] Bridge No. 11 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 08N - 105 37E WG662160
	25X1	[REDACTED]			BRIEF NO:	PIB 75523 March 1967
	MAP	JOG (A) 1501 NE 48-3				

LOCATION: 0.8 nm NE of Cao Hau on Route 1A.

DESCRIPTION:

LENGTH 95' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Steel, timber, concrete  
NO. OF SPANS 4 approx.  
LENGTH OF EACH SPAN [REDACTED]

25X1

STATUS:

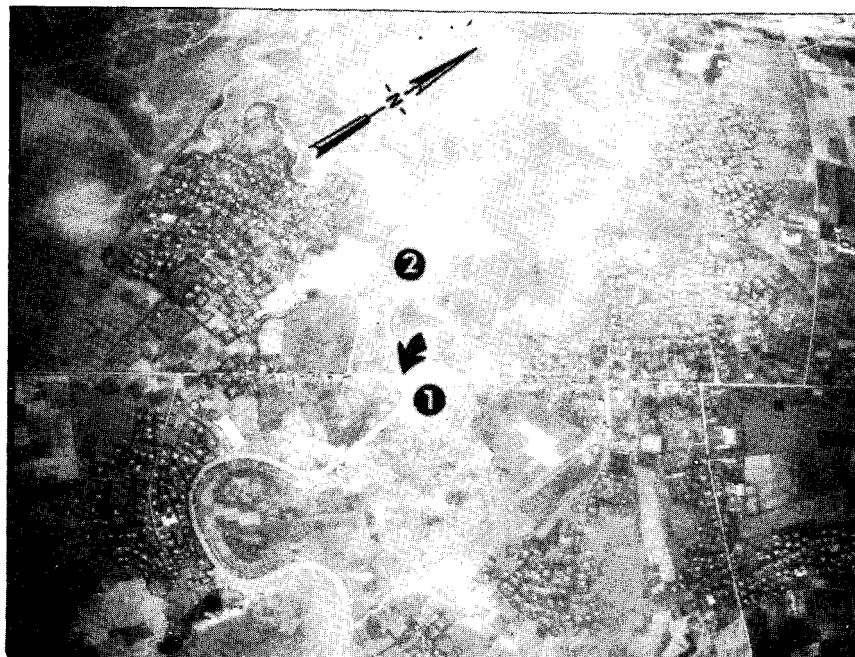
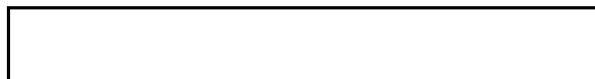
Repaired and serviceable.

COMPENSATIVE ACTION:

25X1

- By-Pass No. 1 - single span [REDACTED] (approx.) timber deck-type bridge with approach causeways on either side; adjacent to SE side of main bridge; serviceable.
- By-Pass No. 2 - possible multi-span 50' x 10' (approx.) timber bridge; length of spans undetermined; approx. 450' NW of main bridge; probably unserviceable.

25X1



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## DDI IMAGERY ANALYSIS STAFF

NAME	Con Son Hwy. Bridge over stream [redacted] Bridge No. 25 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 42N - 105 41E WG727786
MAP	JOG (A) 1501 NE 48-3	BRIEF NO:	PIB 75525 March 1967		

LOCATION: At the NE edge of Con Son on Route 704.

## DESCRIPTION:

LENGTH 165' approx.  
WIDTH [redacted]  
TYPE Deck with probable concrete bents

MATERIAL Concrete  
NO. OF SPANS 4 probable  
LENGTH OF EACH SPAN [redacted]

## STATUS:

2 spans dropped; 2 spans lightly damaged; 1 abutment severely damaged;  
1 bent severely damaged.

## COMPENSATION ACTION:

By-Pass No. 1 - 6-span, [redacted] (approx.), wood and steel deck-beam bridge, with spans measuring 1 @ 25' and 5 @ 15' (approx.); 850' NW of main bridge; under construction, possibly serviceable to light vehicle traffic.  
By-Pass No. 2 - ferry landings located 550' S of main bridge; serviceable; no ferry boats noted.

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DDI IMAGERY ANALYSIS STAFF

25X1

25X1

NAME	Tho Trang RR. Bridge over stream	COUNTRY	North Vietnam	COORDINATES	19 09N - 105 37E WG649181
	Bridge No. 14 on NE 48-3			BRIEF NO:	PIB 75526
MAP	JOG (A) 1501 NE 48-3				March 1967

LOCATION: 0.5 nm SE of Tho Trang on Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 60' approx.  
WIDTH 10' approx. (Single track)  
TYPE Half-through truss

MATERIAL Steel and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 30' approx.

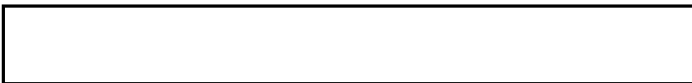
STATUS:

Repaired; serviceable.

COMPENSATIVE ACTION:

None

25X1



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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Ban That Hai Hwy. Bridge over  
Se Bang Hieng [REDACTED]  
Bridge No. 26L on NE 48-15

COUNTRY

Laos

COORDINATES

16 16N - 105 58E  
XC029998

25X1 MAP JOG (A) 1501 NE 48-15

BRIEF NO:

PIB 75527  
March 1967

LOCATION: 3.3 nm SE of Ban Kamep on Route 23.

## DESCRIPTION:

LENGTH 885' approx.

WIDTH [REDACTED]

TYPE

Combination half-through  
truss/through truss/deck

MATERIAL Steel and concrete

NO. OF SPANS 5

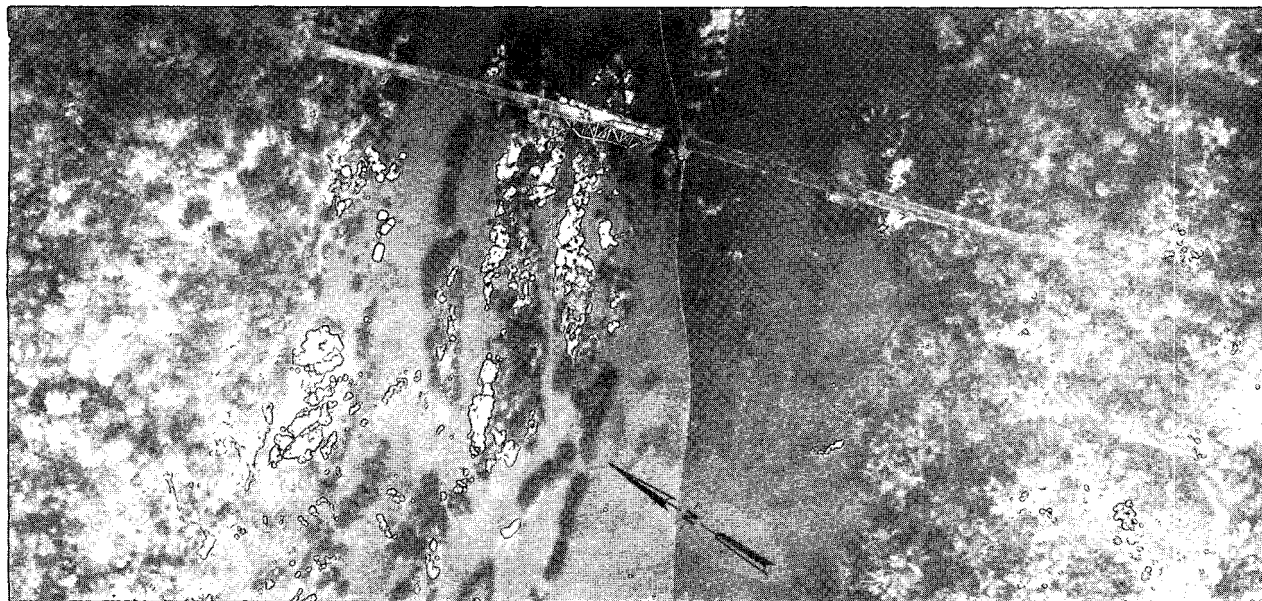
LENGTH OF EACH SPAN 2 half-through truss @ 200'  
approx.; 2 through truss @  
200' approx.; 1 deck @ 85'  
approx.

## STATUS:

1 through truss span dropped; bridge is unserviceable.

## COMPENSATIVE ACTION:

None

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**CONFIDENTIAL**

DDI IMAGERY ANALYSIS STAFF

25X1

NAME Ban Phou Kheng Hwy. Bridge  
over Houei Khao   
Bridge No. 38L on NE 48-11

COUNTRY

Laos

COORDINATES

17 33N - 105 10E  
WE183407

25X1

MAP JOG (A) 1501 NE 48-11

BRIEF NO:

PIB 75528  
March 1967

LOCATION: 1.3 nm NE of Ban Phon Khen on Route 8.

DESCRIPTION:

25X1

LENGTH  
WIDTH  
TYPE

Deck

MATERIAL Wood

NO. OF SPANS 8 possible

LENGTH OF EACH SPAN

25X1

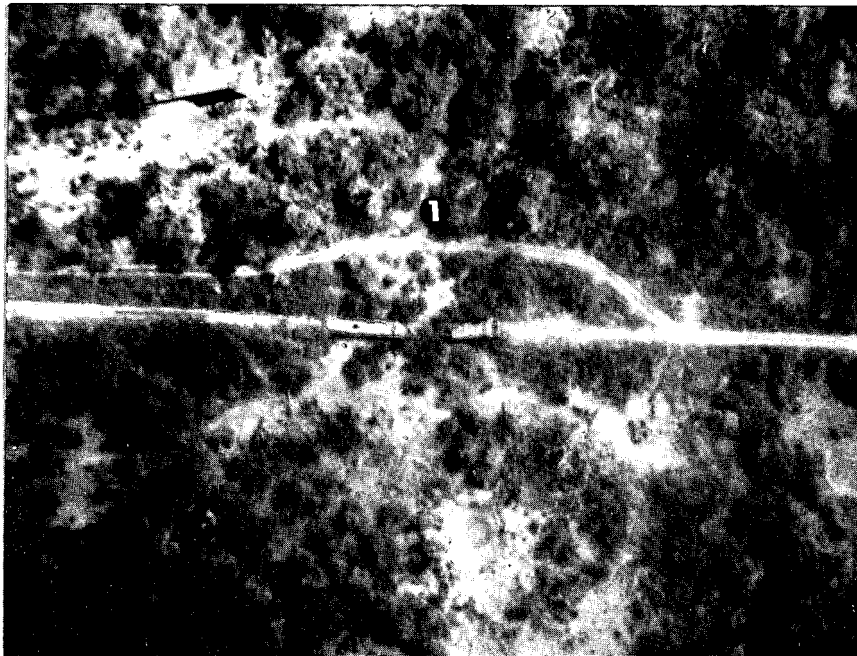
STATUS:

3 spans destroyed; 2 spans severely damaged.

COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - natural  (approx.) ford; 50' E of main bridge; serviceable.



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DDI IMAGERY ANALYSIS STAFF

25X1 NAME Viet Tri RR. and Hwy. Bridge over Riviere Claire [redacted] 25X1 Bridge No. 11 on NF 48-11

COUNTRY North Vietnam

COORDINATES 21 17N - 105 26E WJ466550

25X1 [redacted] BRIEF NO: PIB 75529 March 1967

MAP JOG (A) 1501 NF 48-11

LOCATION: 0.7 nm E of Viet Tri on the Hanoi/Lao Cai Rail Line and Route 2.

DESCRIPTION:

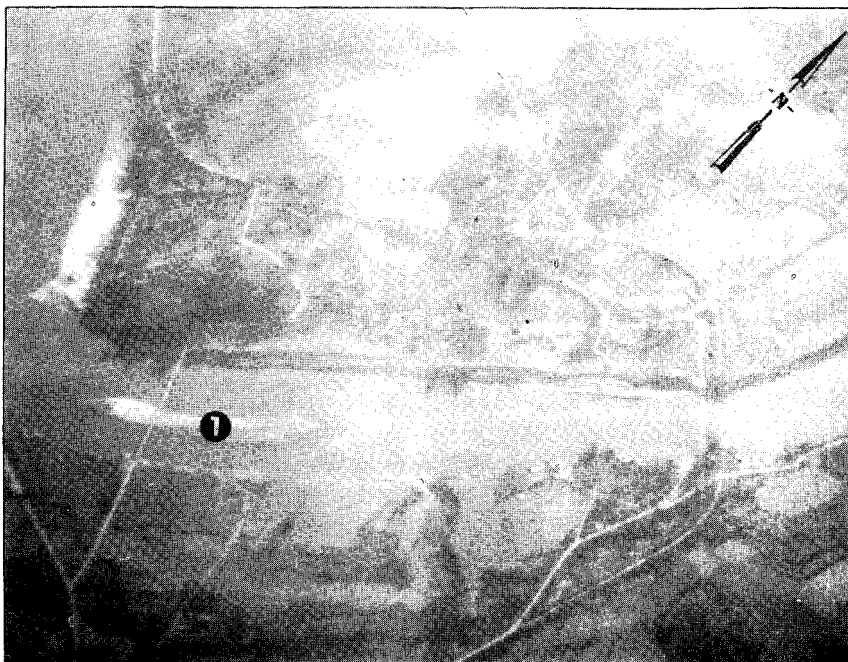
25X1 LENGTH 1000' approx. MATERIAL Steel and concrete

WIDTH [redacted] NO. OF SPANS 4

TYPE Through truss LENGTH OF EACH SPAN 250' approx.

STATUS: 4 spans and 3 piers destroyed; abutments intact.

25X1 COMPENSATIVE ACTION: By-Pass No. 1 [redacted] (approx.) wood deck highway pontoon bridge; 0.7 nm SW of main bridge; serviceable.



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DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Ban Thai Oum Hwy. Bridge/Causeway Bridge No. 44 on NF 48-10	North Vietnam	21 16N - 104 40E VJ654525
[REDACTED]		BRIEF NO: PIB 75530
MAP JOG (A) 1501 NF 48-10		February 1967

25X1

LOCATION: 0.9 nm W of Ban Thai Oum on realigned segment of Route 13A.

DESCRIPTION:

LENGTH 220' approx.  
WIDTH [REDACTED]  
TYPE Deck/causeway

MATERIAL Concrete, earthen fill

NO. OF SPANS 16

LENGTH OF EACH SPAN [REDACTED]

Causeway length - [REDACTED]

25X1

25X1

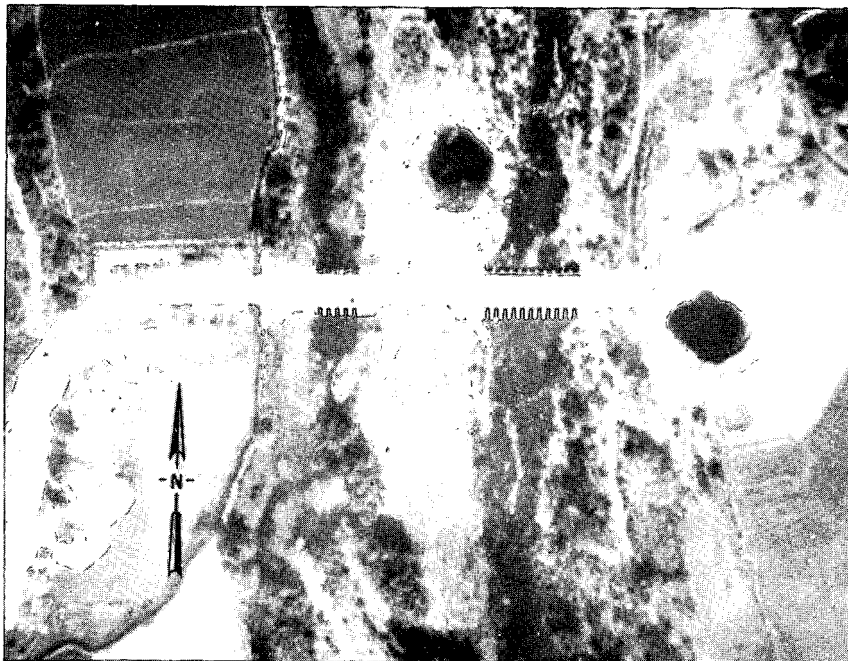
25X1

STATUS:

Undamaged; although this bridge/causeway has been constructed to by-pass a ford located 4000' (approx.) to the south, it will now be assessed as the main bridge.

COMPENSATIVE ACTION:

By-Pass No. 1 - natural 120' (approx.) ford; original river crossing of Route 13A; ford appears to be in disuse, however probably is serviceable.



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25X1

DDI IMAGERY ANALYSIS STAFF		
NAME	COUNTRY	COORDINATES
Phuc Son Hwy. Bridge Bridge No. 41 on NE 48-7	North Vietnam	18 56N - 105 03E WFO62950
MAP		BRIEF NO:
JOG (A) 1501 NE 48-7		PIB 75531 February 1967
LOCATION: 0.6 nm SSW of Phuc Son on Route 7.		

## DESCRIPTION:

LENGTH 40' approx.  
WIDTH 10' approx.  
TYPE Deck

MATERIAL Concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 20' approx.

## STATUS:

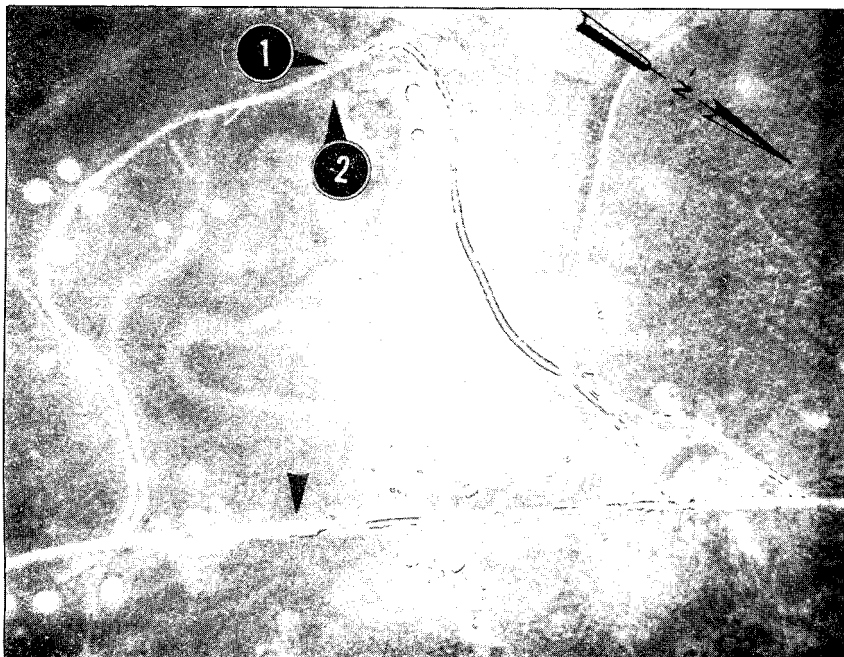
Serviceable.

## COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - single-span  (approx.) probable wood and steel deck type bridge; 2500' (approx.) SW of main bridge; serviceable.  
By-Pass No. 2 - constructed 15' x 10' (approx.) ford; probable rock/gravel base; 2475' (approx.) SW of main bridge; serviceable but inactive.

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME Thai Binh Hwy. Bridge over  
Song Tra Ly [REDACTED]  
Bridge No. 19 on NF 48-15

COUNTRY  
North Vietnam

COORDINATES  
20 27N - 106 21E  
XH414621

25X1

BRIEF NO:  
PIB 75532  
March 1967

MAP JOG (A) 1501 NF 48-15

LOCATION: At Thai Binh on Route 10.

## DESCRIPTION:

25X1

LENGTH 480' approx.

MATERIAL Wood, steel, and concrete

WIDTH [REDACTED]

NO. OF SPANS 5

TYPE Combination half-through arch

LENGTH OF EACH SPAN [REDACTED]

truss (3 spans)/half-through truss (1 span)/suspension (1 span)

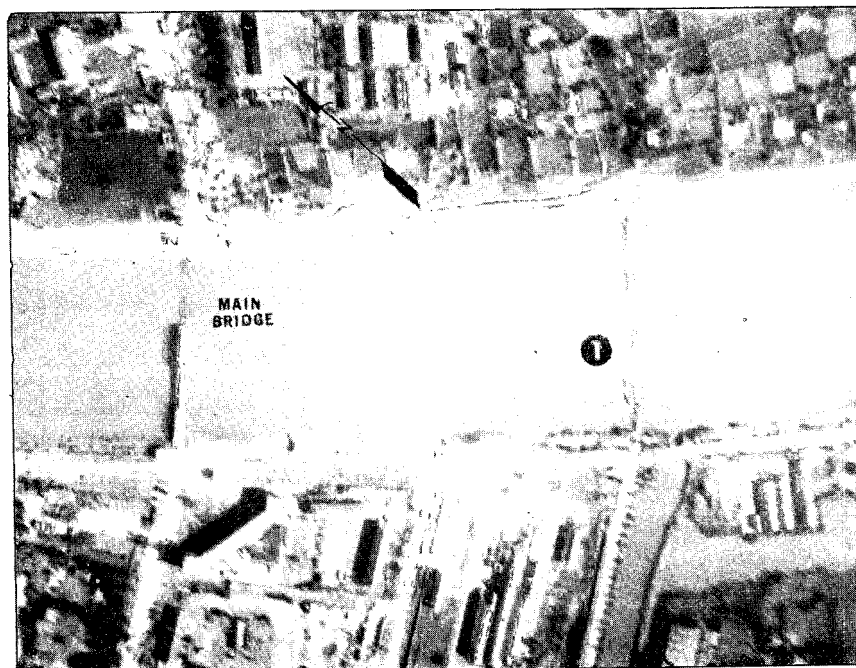
25X1

## STATUS:

Two half-through arch truss spans dropped; one pier destroyed.

## COMPENSATIVE ACTION:

By-Pass No. 1 - 530' x 10' (approx.) probable wood pontoon bridge;  
1000' SE of main bridge; serviceable.

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Ban Xe'savang Hwy. Bridge Bridge No. 27L on NE 48-15	Laos	16 34N - 105 54E WD975330
25X1 [REDACTED]		BRIEF NO: PIB 75533 March 1967
MAP JOG (A) 1501 NE 48-15		

LOCATION: 2.5 nm NNW of Ban Xe'savang on Route 9.

## DESCRIPTION:

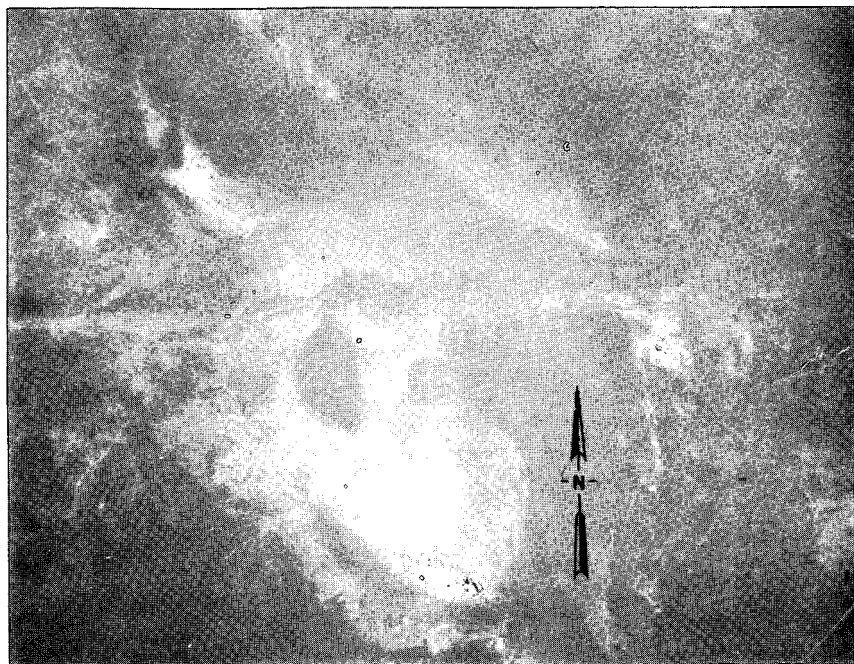
25X1  
LENGTH 315' approx.  
WIDTH [REDACTED]  
TYPE Half-through truss

MATERIAL Concrete, steel, and timber  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 2 @ 70' approx.  
[REDACTED] 25X1

STATUS:  
3 spans dropped; 2 spans slightly damaged.

## COMPENSATIVE ACTION:

None

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Dong Phong Thuong RR. a Hwy. Br. over Song Len [REDACTED] Bridge No. 6 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 58N - 105 50E WH886091
	25X1	[REDACTED]			BRIEF NO:	PIB 75534 March 1967
	MAP	JOG (A) 1501 NE 48-3				

LOCATION: 0.5 nm E of Na Thon on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1	LENGTH	525' approx.	MATERIAL	Steel
	WIDTH	[REDACTED]	NO. OF SPANS	3
	TYPE	Through truss	LENGTH OF EACH SPAN	175' approx.

25X1 STATUS: No change [REDACTED]

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - No change [REDACTED]

25X1 By-Pass No. 2 - [REDACTED] (rail only); 6-span [REDACTED] (approx.) steel and timber deck beam bridge with spans measuring 45' approx.; approx. 9000' SW of main bridge; repaired and serviceable.

25X1 By-Pass No. 3 - (hwy. bridge only) [REDACTED] (approx.) pontoon bridge; 900' W of main bridge; serviceable.

25X1 By-Pass No. 4 - [REDACTED] (rail only); multi-span [REDACTED] (approx.) probable wood deck beam bridge with spans of unknown dimensions; approx. 850' W of main bridge; abandoned construction.

25X1 [REDACTED]

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Thuy Lien Thuong Hwy. Bridge over Khe Chan Th  25X1   
25X1 Bridge No. 5 on NE 48-12  
COUNTRY North Vietnam  
COORDINATES 17 10N - 106 54E  
YEO22005  
BRIEF NO:  
PIB 75535  
MAP JOG (A) 1501 NE 48-12  
March 1967  
LOCATION: 0.8 nm NW of Thuy Lien Thuong on Route 1A.

## DESCRIPTION:

25X1 LENGTH 60'  
25X1 WIDTH   
25X1 TYPE Deck  
MATERIAL Concrete  
NO. OF SPANS 2 probable  
LENGTH OF EACH SPAN 30'

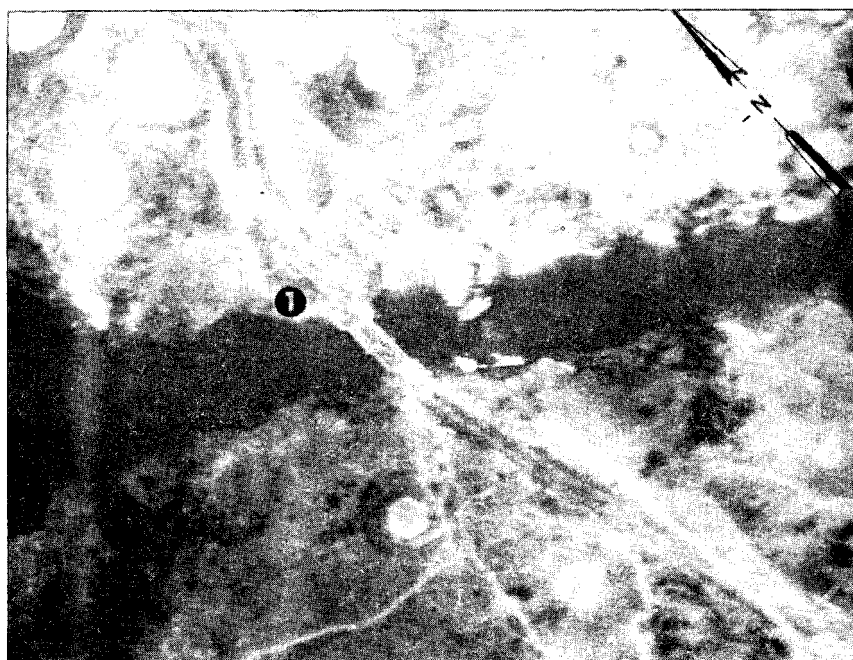
25X1 STATUS: No change

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 2-span  probable wood deck-type bridge with  
spans measuring 25'; 50' NW of main bridge; under  
construction.

25X1

NOTE: All measurements are approximate.

~~CONFIDENTIAL~~GROUP 1  
Excluded from automatic  
downgrading and declassification

~~CONFIDENTIAL~~

DDI IMAGERY ANALYSIS STAFF

25X1

NAME	COUNTRY	COORDINATES
Dong Tan Hwy. Bridge Bridge No. 46 on NE 48-3	North Vietnam	19 45N - 105 25E WC442840
<b>BRIEF NO:</b> PIB 75536 March 1967		

MAP JOG (A) 1501 NE 48-3

LOCATION: 1 nm NE of Dong Tan on Route 15.

DESCRIPTION:

LENGTH 45' approx.  
 WIDTH 10' approx.  
 TYPE Deck

MATERIAL Wood  
 NO. OF SPANS 3 probable  
 LENGTH OF EACH SPAN 15' approx.

25X1

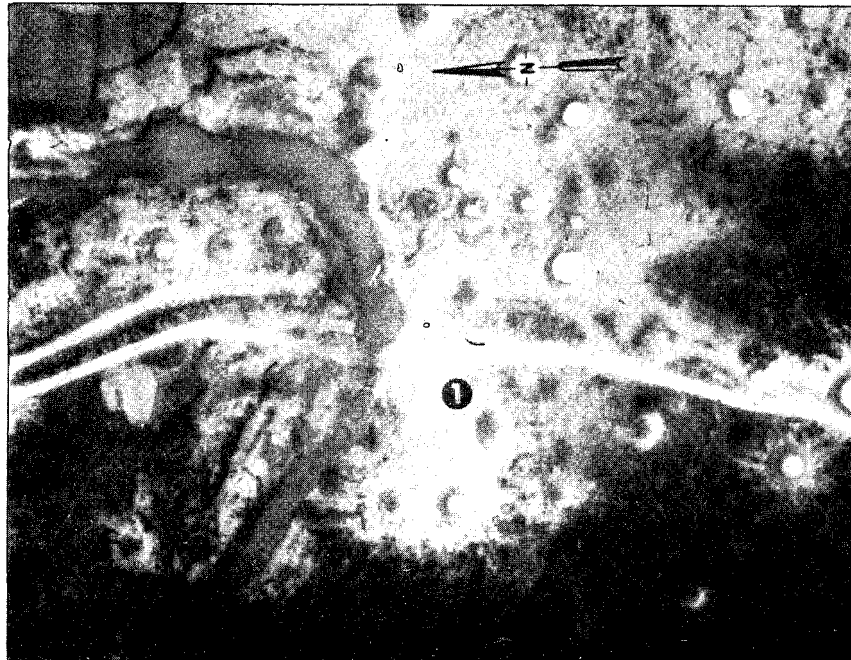
STATUS:

No change

COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 30' x 10' (approx.) ford; probable rock/gravel base; 25' S of main bridge; serviceable.

25X1



~~CONFIDENTIAL~~

GROUP 1  
 Excluded from automatic  
 downgrading and  
 declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ban Pa Huone Hwy. Bridge over	COUNTRY		COORDINATES
		Nam Meuk <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>		North Vietnam	21 48N - 103 18E UK247118
25X1		Bridge No. 2 on NF 48-9			
		<span style="border: 1px solid black; display: inline-block; width: 500px; height: 1.2em; vertical-align: middle;"></span>			BRIEF NO: PIB 75537 March 1967
	MAP	JOG (A) 1501 NF 48-9			
	LOCATION:	0.6 nm S of Ban Pa Huone on Route 6.			

## DESCRIPTION:

LENGTH 200' approx.  
 WIDTH 10' approx.  
 TYPE Deck

MATERIAL Steel and concrete

NO. OF SPANS 4

LENGTH OF EACH SPAN 1 @ 70' approx., 2 @ 50' approx.  
 1 @ 30' approx.

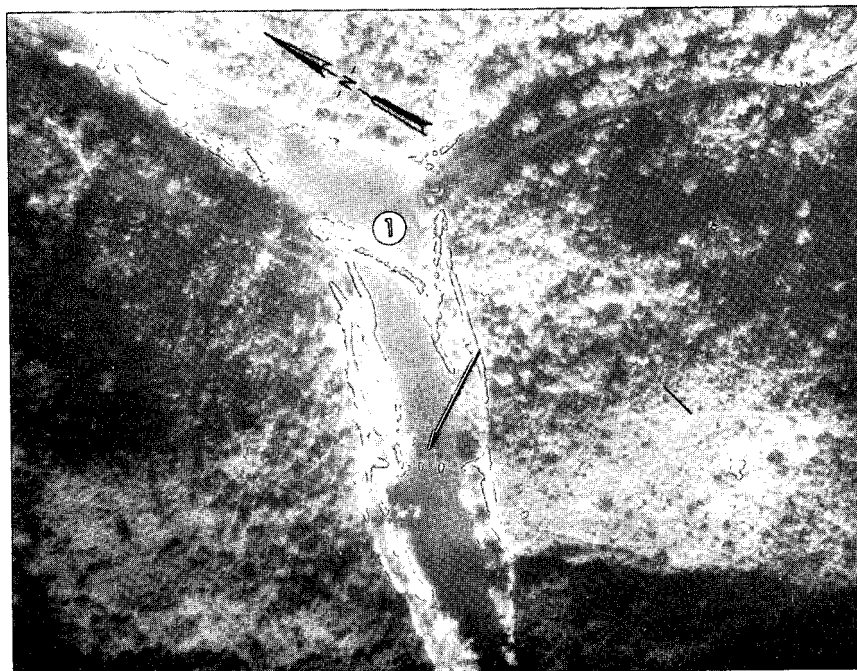
## STATUS:

Original bridge destroyed; suspension cables have been strung to support moveable deck section; bridge is serviceable.

## COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 120' x 15' (approx.) ford; probable rock/gravel base; 250' NE of main bridge; serviceable.

25X1

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Luong Trinh Hwy. Bridge Bridge No. 37 on NE 48-11	North Vietnam	17 46N - 106 26E XE531656
[REDACTED]		BRIEF NO: PIB 75538 February 1967
MAP JOG (A) 1501 NE 48-11		
LOCATION: 0.7 nm S of Luong Trinh on Route 1A.		

## DESCRIPTION:

LENGTH  
WIDTH  
TYPE

[REDACTED]  
10' approx.  
Deck

MATERIAL Wood and concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN [REDACTED]

## STATUS:

Completely destroyed and replaced by a rock fill causeway.

## COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 130' x 10' (approx.) ford; probable rock/gravel base; 7500' N of main bridge site; serviceable.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Tam Da RR. and Hwy. Bridge over Song Cua Lo [REDACTED] Bridge No. 18 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 50N - 105 39E WF691839
	25X1	[REDACTED]			BRIEF NO:	PIB 75539 February 1967
	MAP	JOG (A) 1501 NE 48-7				
LOCATION: 2.3 nm NE of Tam Da on the Hanoi/Dong Hoi Rail Line.						

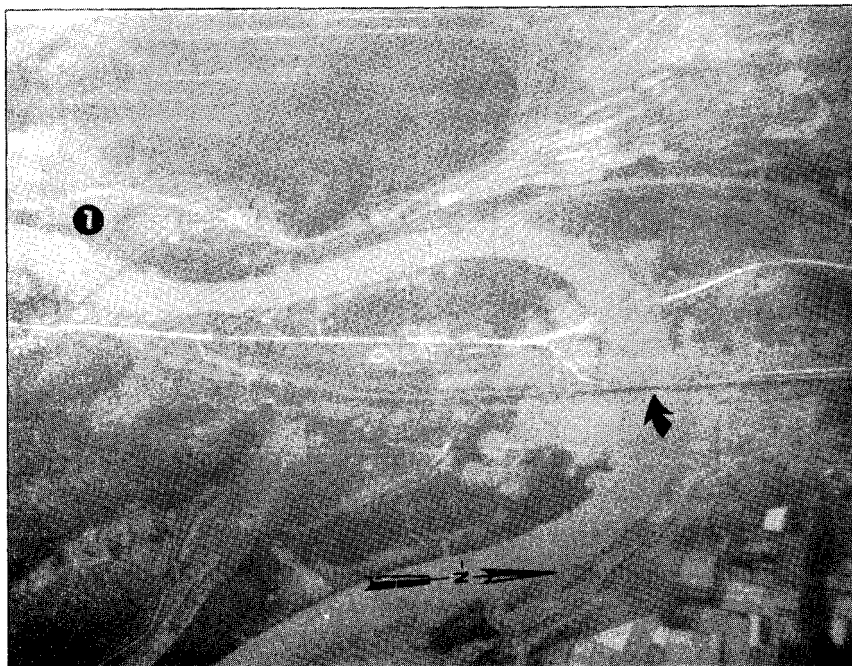
DESCRIPTION:

25X1	LENGTH	360' approx.	MATERIAL	Wood and concrete
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	12 probable
	TYPE	Deck beam with lattice tower supports and two concrete piers	LENGTH OF EACH SPAN	30' approx.

STATUS: 4 spans probably destroyed; 1 pier probably damaged.

25X1	COMPENSATIVE ACTION:	Probably no change [REDACTED]
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25X1	[REDACTED]
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DDI IMAGERY ANALYSIS STAFF

NAME	Ban Bung Hwy. Bridge over Nam Hua [REDACTED] Bridge No. 12 on NF 48-9	COUNTRY	North Vietnam	COORDINATES	21 31N - 103 21E UJ304803
[REDACTED]				BRIEF NO:	PIB 75540 February 1967
MAP	JOG (A) 1501 NF 48-9				
LOCATION:	1 nm SW of Ban Veng on Route 19.				

DESCRIPTION:

LENGTH 180' approx.  
WIDTH [REDACTED]  
TYPE Half-through truss

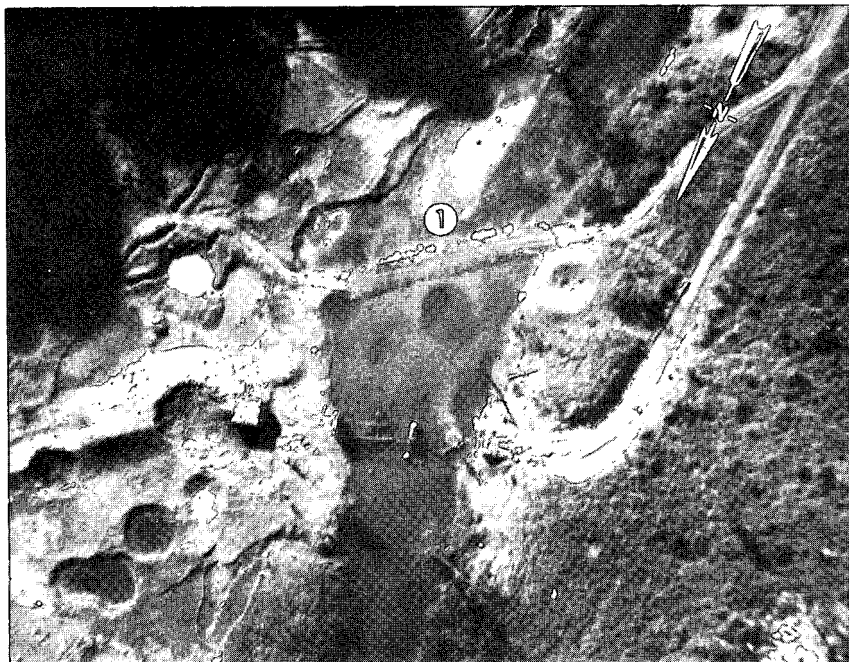
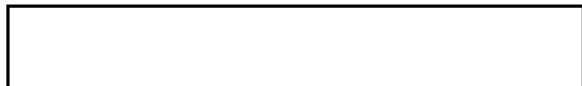
MATERIAL Steel and concrete  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 60' approx.

STATUS:

3 spans destroyed; 1 abutment severely damaged; 1 abutment lightly damaged;  
bridge probably under repair using cables with removeable wood decking.

COMPENSATIVE ACTION:

By-Pass No. 1 - [REDACTED] constructed [REDACTED] (approx.) ford;  
probable rock/gravel base; 120' S of main bridge; serviceable.



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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ban Xang Hwy. Bridge over stream <input type="text"/>	COUNTRY		COORDINATES	19 30N - 103 06E UG018577
		Bridge No. 2L on NE 48-1	Laos			
25X1						BRIEF NO:
	MAP JOG (A) 1501 NE 48-1					PIB 75541 March 1967

LOCATION: 0.5 nm SE of Ban Sang on Route 7.

## DESCRIPTION:

25X1	LENGTH	60'	MATERIAL	Timber
	WIDTH	<input type="text"/>	NO. OF SPANS	4
	TYPE	Deck	LENGTH OF EACH SPAN	15'

STATUS: 1 span destroyed; 1 span severely damaged; 1 abutment destroyed.

## COMPENSATIVE ACTION:

None

NOTE: All measurements are approximate.

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25X1

25X1

DDI IMAGERY ANALYSIS STAFF		
NAME	Ha Thon RR. and Hwy. Bridge over Song Vac <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> Bridge No. 10 on NF 48-15	COUNTRY North Vietnam
		COORDINATES 20 12N - 105 58E XH013348
		BRIEF NO: PIB 75542 April 1967
MAP JOG (A) 1501 NF 48-15		

LOCATION: 0.8 nm SE of Vu Lam on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 90'  
WIDTH 10'  
TYPE Deck

MATERIAL Timber  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN 2 @ 25', 1 @ 40'

STATUS:

Replacement bridge serviceable.

COMPENSATIVE ACTION:

None

25X1



NOTE: All measurements are approximate.



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GROUP 1  
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downgrading and declassification

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DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Lien Ho Hao Hwy. Bridge Bridge No. 26 on NE 48-3	North Vietnam	19 32N - 105 47E WG825599
BRIEF NO:		
PIB 75543		
March 1967		

25X1

MAP JOG (A) 1501 NE 48-3  
LOCATION: 0.9 nm E of Lien Ho Hao on Route 701.

DESCRIPTION:

LENGTH 60'  
WIDTH  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 60'

25X1

STATUS: Bridge destroyed and unserviceable.

COMPENSATIVE ACTION:

Replacement bridge under construction.

25X1

NOTE: All measurements are approximate.



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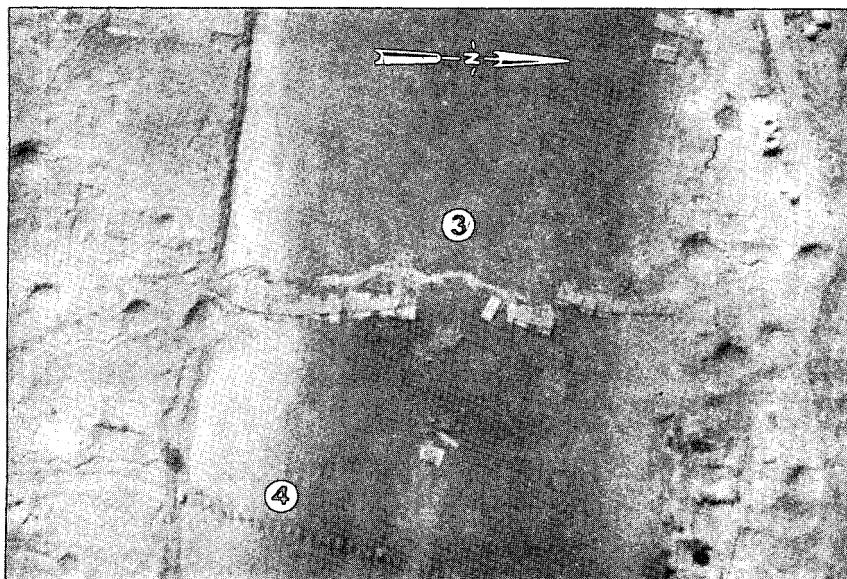
GROUP 1  
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downgrading and declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Dong Phong Thuong RR. and Hwy.	COUNTRY		COORDINATES	19 58N - 105 50E WH886091
25X1		Bridge over Song Len [REDACTED] Bridge No. 6 on NE 48-3		North Vietnam		
	MAP	JOG (A) 1501 NE 48-3			BRIEF NO:	PIB 75544 March 1967
	LOCATION:	0.5 nm E of Na Thon on the Hanoi/Dong Hoi Rail Line and Route 1A.				
	DESCRIPTION:					
25X1	LENGTH	525'	MATERIAL	Steel and concrete		
	WIDTH	[REDACTED]	NO. OF SPANS	3		
	TYPE	Through-truss	LENGTH OF EACH SPAN	175'		
25X1	STATUS:	No change	[REDACTED]			
25X1	COMPENSATIVE ACTION:					
25X1	By-Pass No. 1 -	[REDACTED]	15-span	[REDACTED]	wood and steel deck-	25X1
25X1					beam rail bridge with spans measuring [REDACTED]	25X1
25X1					1350' E of main bridge; 7 of the [REDACTED] spans	25X1
					dropped and 2 are damaged; unserviceable.	
25X1	By-Pass No. 2 -	[REDACTED]	6-span	[REDACTED]	steel and timber deck-	25X1
					beam rail bridge with spans measuring 45'; 9000' SW of	
					main bridge; serviceable.	
	By-Pass No. 3 -	500' pontoon highway bridge; 850' W of main bridge; pontoon				
		sections heavily damaged; bridge unserviceable.				
	By-Pass No. 4 -	No change	[REDACTED]			25X1
25X1	[REDACTED]					

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ban Lang Moi Hwy. Bridge W	COUNTRY	North Vietnam	COORDINATES	19 06N - 104 47E
		over She Choang [REDACTED]				VG780120
25X1	MAP	JOG (A) 1501 NE 48-2	BRIEF NO:	PIB 75545	April 1967	
		LOCATION: 1.2 nm S of Ban Da Noi on Route 7.				

DESCRIPTION:

25X1	LENGTH	275'	MATERIAL	Wood, concrete, and steel
	WIDTH	[REDACTED]	NO. OF SPANS	5
	TYPE	Half-through truss	LENGTH OF EACH SPAN	3 @ 65', 2 @ 40'

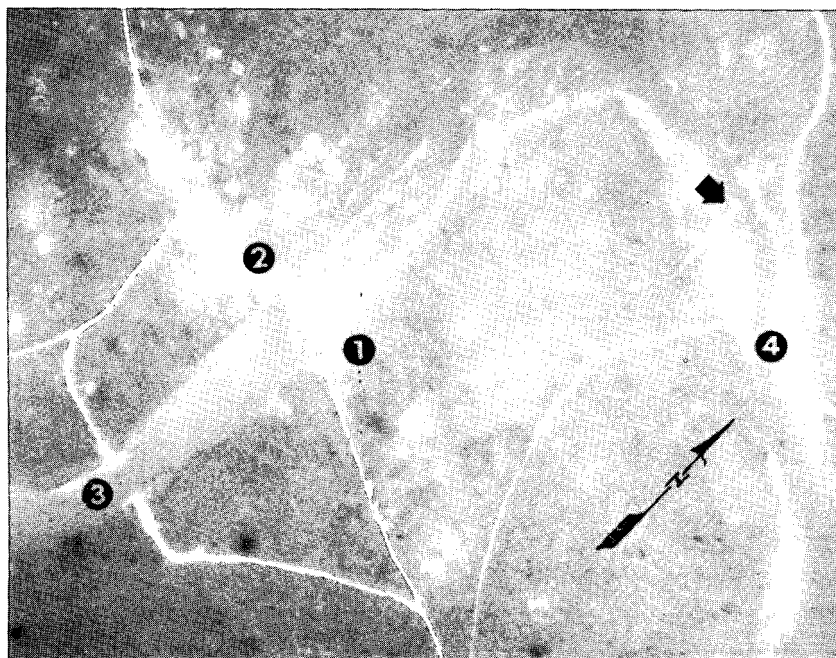
STATUS:

One span destroyed; one span dropped.

COMPENSATIVE ACTION:

- 25X1 By-Pass No. 1 - single span [REDACTED] probable wood deck-type bridge; 735' SW of main bridge; serviceable.
- 25X1 By-Pass No. 2 - single span [REDACTED] probable wood deck-type bridge; 740' SW of main bridge; serviceable.
- By-Pass No. 3 - ferry landings located 1075' S of main bridge; serviceable; 1 ferryboat noted.
- By-Pass No. 4 - probable natural 100' ford; 300' E of main bridge; probably serviceable.

NOTE: All measurements are approximate.



Next 1 Page(s) In Document Exempt

25X1

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Tu Loan Hwy. Bridge SE	COUNTRY	North Vietnam	COORDINATES	17 48N - 106 26E
		over stream <input type="text"/>				XE525699
25X1		Bridge No. 36 on NE 48-11			BRIEF NO:	PIB 75548
						March 1967
	MAP	JOG (A) 1501 NE 48-11				
	LOCATION:	0.8 nm NW of Nghia Nuong on Route 1A.				
	DESCRIPTION:					
	LENGTH	30'	MATERIAL	Concrete		
	WIDTH	10'	NO. OF SPANS	2		
	TYPE	Deck	LENGTH OF EACH SPAN	15'		

## STATUS:

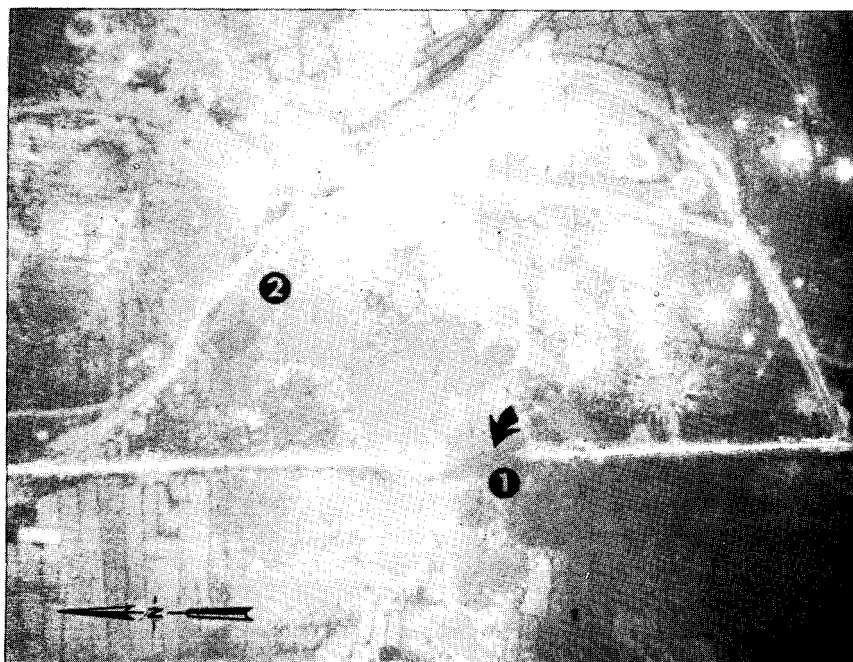
Completely destroyed.

## COMPENSATIVE ACTION:

- 25X1 By-Pass No. 1 - constructed  ford; probable rock/gravel base; adjacent to W side of main bridge site; unserviceable.
- 25X1 By-Pass No. 2 - combination multi-span  timber deck-type bridge/ probable rock-fill causeway; 250' NE of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME Ban Nape Hwy. Bridge over Nam Phao <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span>	COUNTRY Laos	COORDINATES 18 18N - 105 04E WF081236
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25X1

MAP JOG (A) 1501 NE 48-7	BRIEF NO: PIB 75549 March 1967
--------------------------	--------------------------------------

LOCATION: At E edge of Ban Nape on Route 8.

## DESCRIPTION:

LENGTH 270'  
WIDTH 10'  
TYPE Half-through truss

MATERIAL Concrete, steel  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 90'

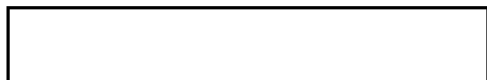
## STATUS:

3 spans destroyed; 2 piers heavily damaged; abutments intact, no reconstruction work noted.

## COMPENSATIVE ACTION:

By-Pass No. 1 - probable 13-span 195' x 10' timber deck-type bridge with spans measuring 15'; 230' SW of main bridge; completely destroyed.

25X1



NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Thien Linh Dong RR. Bridge  
 over Hoang Giang [REDACTED]  
 Bridge No. 33 on NE 48-3

25X1 COUNTRY North Vietnam

COORDINATES 19 43N - 105 42E  
 XG748815

25X1 BRIEF NO:  
 PIB 75551  
 March 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Thien Linh Dong on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1 LENGTH 80'  
 WIDTH [REDACTED]  
 TYPE Deck-girder

MATERIAL Steel and concrete  
 NO. OF SPANS 2  
 LENGTH OF EACH SPAN 40'

25X1 STATUS: No change [REDACTED]

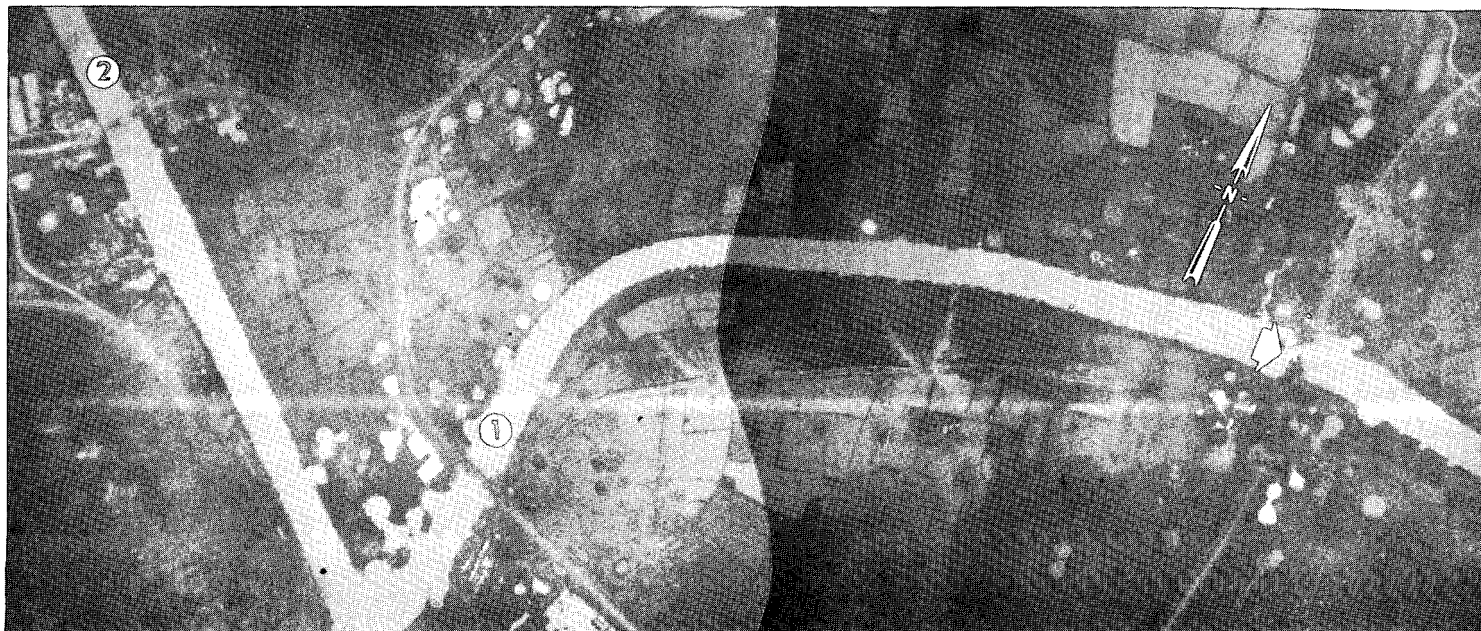
## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] 4-span [REDACTED] timber deck-type bridge  
 with lattice towers; spans measuring [REDACTED] 1800' SW of  
 main bridge; 1 span destroyed, south abutment destroyed;  
 unserviceable.

25X1 By-Pass No. 2 - [REDACTED] probable 3-span [REDACTED] timber deck-  
 type bridge with lattice towers; spans measuring [REDACTED]  
 2500' W of main bridge; bridge is U/C and not yet  
 serviceable.

25X1

NOTE: All measurements are approximate.

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 declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Phuong Dinh RR. and Hwy. Br. over Lach Truong [ ]  
 25X1 Bridge No. 16 on NE 48-3

COUNTRY North Vietnam

COORDINATES 19 51N - 105 48E  
WG842951

25X1 [ ]

BRIEF NO:  
PIB 75552  
March 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm N of Yen Vuc Thuong on Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

LENGTH 245'  
 WIDTH 15'  
 TYPE Continuous through truss

MATERIAL Steel with concrete abutments  
 NO. OF SPANS 3  
 LENGTH OF EACH SPAN 1 @ 120', 1 @ 65'  
 1 @ 60'

## STATUS:

One end of truss has been dropped and heavily damaged.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [ ] 16-span [ ] timber deck-beam bridge 25X1  
 with lattice tower supports; spans measure [ ] 100' W 25X1  
 of main bridge; serviceable to rail traffic only.

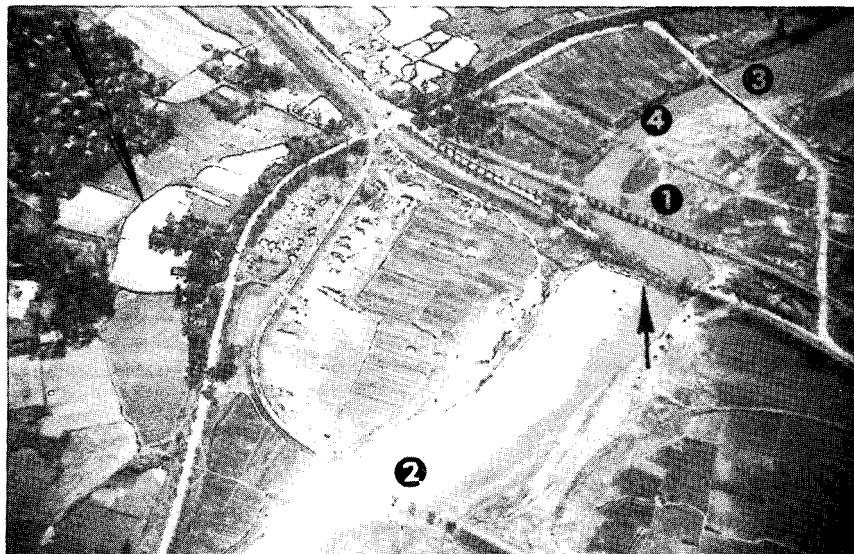
25X1 By-Pass No. 2 - [ ] 8-span 200' x 10' timber probable deck-  
 beam bridge with lattice tower supports; spans measure 25';  
 500' E of main bridge; bridge U/C, not yet serviceable.

By-Pass No. 3 - 8-span 200' x 10' timber deck bridge with spans measuring  
 25'; 450' W of main bridge; bridge serviceable to highway  
 traffic.

By-Pass No. 4 - 4-span 180' x 10' timber deck bridge with spans measuring  
 45'; 250' W of main bridge; bridge is partially dismantled;  
 unserviceable.

25X1

NOTE: All measurements are approximate.

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25X1

25X1

DDI IMAGERY ANALYSIS STAFF		
NAME	Ban Theuong Hwy. Bridge over stream	COUNTRY
	Bridge No. 3L on NE 48-1	Laos
		COORDINATES
		19 24N - 103 11E UG093458
		BRIEF NO:
		PIB 75553 March 1967
MAP	JOG (A) 1501 NE 48-1	
LOCATION:	0.8 nm NW of Ban Theuong on Route 4.	

## DESCRIPTION:

LENGTH 60'  
WIDTH 15'  
TYPE Deck

MATERIAL Wood (probable)  
NO. OF SPANS 4  
LENGTH OF EACH SPAN 15'

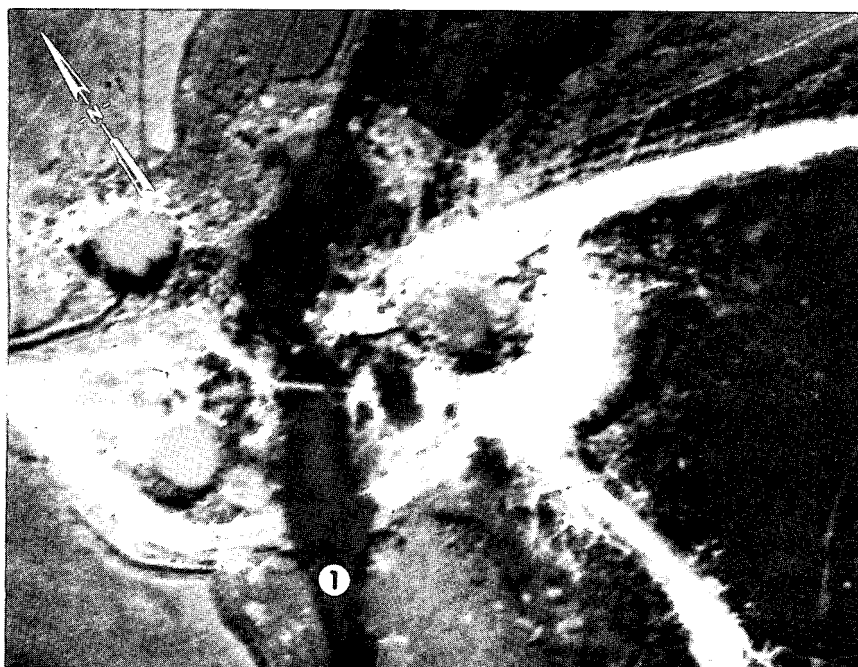
## STATUS:

Bridge completely destroyed.

## COMPENSATIVE ACTION:

By-Pass No. 1 - natural 35' ford; 100' SW of main bridge; serviceable.

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

25X1

NAME Lan Tra Hwy. Bridge N over  
Song Cua Trib [REDACTED]  
Bridge No. 21 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 22N - 105 44E  
WG771415

25X1

[REDACTED]

BRIEF NO:  
PIB 75554  
April 1967

MAP JOG (A) 1501 NE 48-3  
LOCATION: 1.0 nm W of Huu Lai on Route 1A.

DESCRIPTION:

25X1

LENGTH 85'  
WIDTH [REDACTED]  
TYPE Deck

MATERIAL Concrete and wood  
NO. OF SPANS 3  
LENGTH OF EACH SPAN [REDACTED]

25X1

STATUS: 2 spans dropped; 1 abutment destroyed; 1 abutment damaged; 1 span damaged.

COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - 3-span [REDACTED] timber and possible steel deck-type bridge  
with spans measuring [REDACTED] and a [REDACTED] probable  
rock fill causeway in the center; adjacent to the main bridge  
on NW side; serviceable.

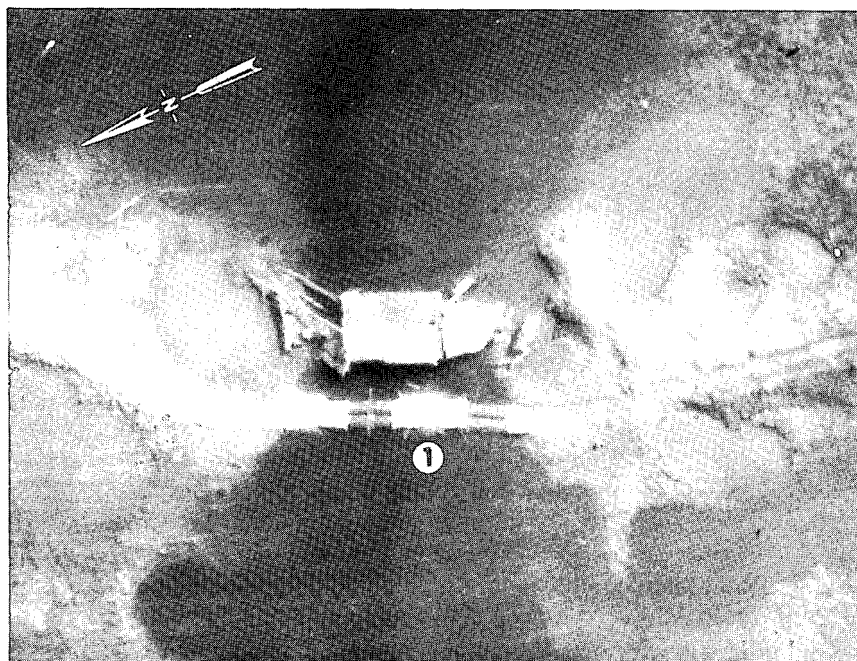
25X1

25X1

[REDACTED]

25X1

NOTE: All measurements are approximate.



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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Ly Nhan RR. and Hwy. Bridge  
over stream   
Bridge No. 14 on NF 48-15

25X1 COUNTRY North Vietnam

COORDINATES 20 09N - 105 56E  
XH000310

25X1 BRIEF NO:  
PIB 75555  
March 1967

MAP JOG (A) 1501 NF 48-15

LOCATION: 1.9 nm E of Ly Nhan on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1 LENGTH 95'

WIDTH

TYPE Half-through truss

MATERIAL Steel and concrete

NO. OF SPANS 1

LENGTH OF EACH SPAN 95'

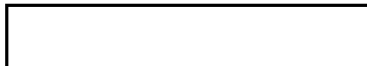
## STATUS:

Span has been repaired and lifted but not realigned; track has been realigned to cross the span; serviceable.

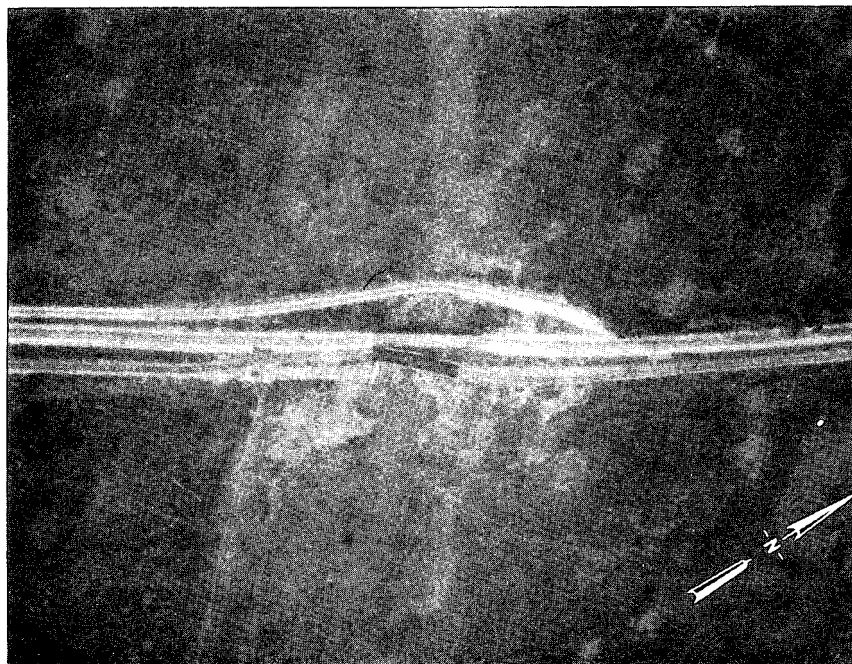
## COMPENSATIVE ACTION:

NA

25X1



NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ninh Binh RR. and Hwy. Bridge over Song Day [REDACTED] Bridge No. 1 on NF 48-15	COUNTRY	North Vietnam	COORDINATES	20 15N - 105 59E XH030405
25X1	MAP	JOG (A) 1501 NF 48-15			BRIEF NO:	PIB 75556 March 1967

LOCATION: At Ninh Binh on the Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

25X1	LENGTH	680'	MATERIAL	Steel and concrete
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	8
	TYPE	Through truss with center swing span	LENGTH OF EACH SPAN	85'

## STATUS:

25X1 No change [REDACTED]

## COMPENSATIVE ACTION:

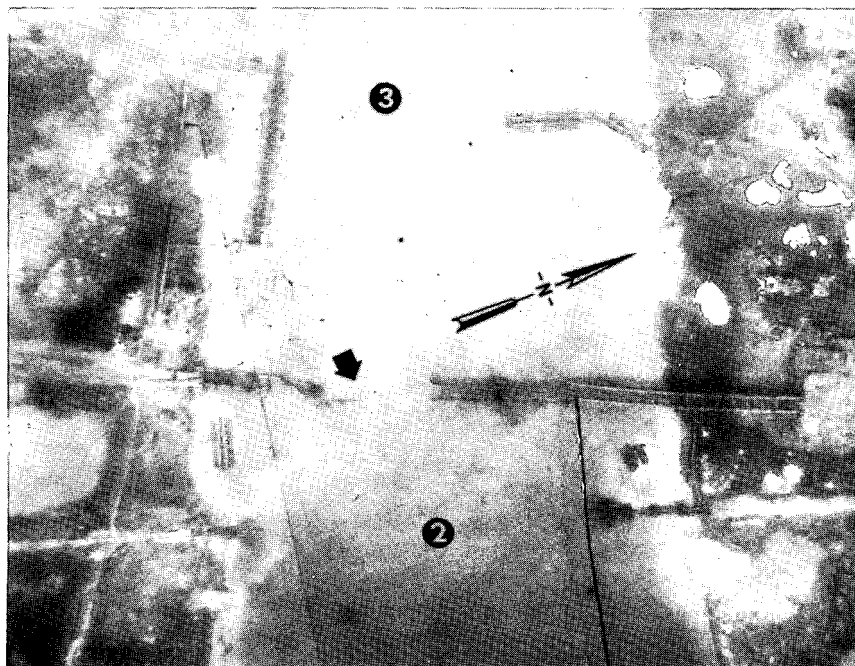
25X1 By-Pass No. 1 - [REDACTED] 25'-span 1000' x 5' wood and steel deck-beam railroad bridge with 1 lift span; spans measuring 40'; 0.6 nm E of main bridge; serviceable.

By-Pass No. 2 - Rail ferry landings located 140' E of main bridge; probably serviceable; no ferry boats noted.

25X1 By-Pass No. 3 - [REDACTED] 425' wood and steel rail pontoon bridge; 270' W of main bridge; both approaches cratered, 1 pontoon section destroyed, 1 damaged; unserviceable.

25X1

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Ban Khouapen Hwy. Bridge No. 2 Bridge No. 7L on NE 48-7	Laos	18 14N - 105 01E WFO18167
[REDACTED]		BRIEF NO: PIB 75557 March 1967
MAP	JOG (A) 1501 NE 48-7	

LOCATION: 1.7 nm NNE of Ban Khouapen on Route 8.

## DESCRIPTION:

LENGTH 50'  
WIDTH 10'  
TYPE Deck

MATERIAL Wood and concrete  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 2 @ 15', 1 @ 20'

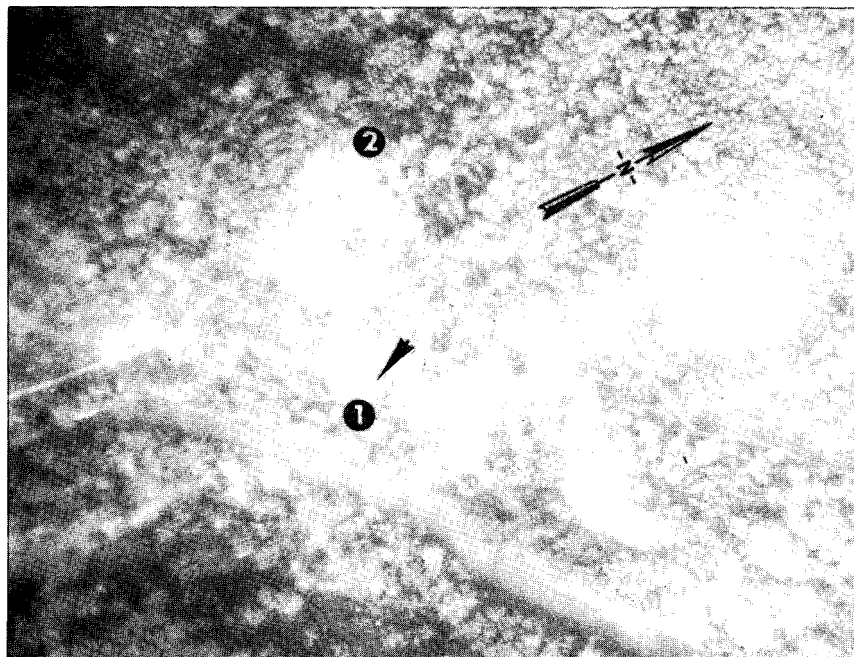
STATUS: No change

## COMPENSATIVE ACTION:

By-Pass No. 1 - single span 15' x 10' wood deck-type bridge; immediately SE of main bridge; bridge has probably been washed out; unserviceable.

By-Pass No. 2 - probable natural 30' ford; 475' W of main bridge; serviceable.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1

25X1

<b>NAME</b>	Bien Son RR. and Hwy. Bridge over stream <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> Bridge No. 21 on NF 48-15	<b>COUNTRY</b>	North Vietnam	<b>COORDINATES</b>	20 03N - 105 51E WH890177
<b>MAP</b>	JOG (A) 1501 NF 48-15			<b>BRIEF NO:</b>	PIB 75558 February 1967

**LOCATION:** 0.5 nm W of Quang Lang Dong on Route 1A.**DESCRIPTION:**

**LENGTH** 90'  
**WIDTH** 10'  
**TYPE** Deck

**MATERIAL** Wood with concrete abutments  
**NO. OF SPANS** 3  
**LENGTH OF EACH SPAN** 30'

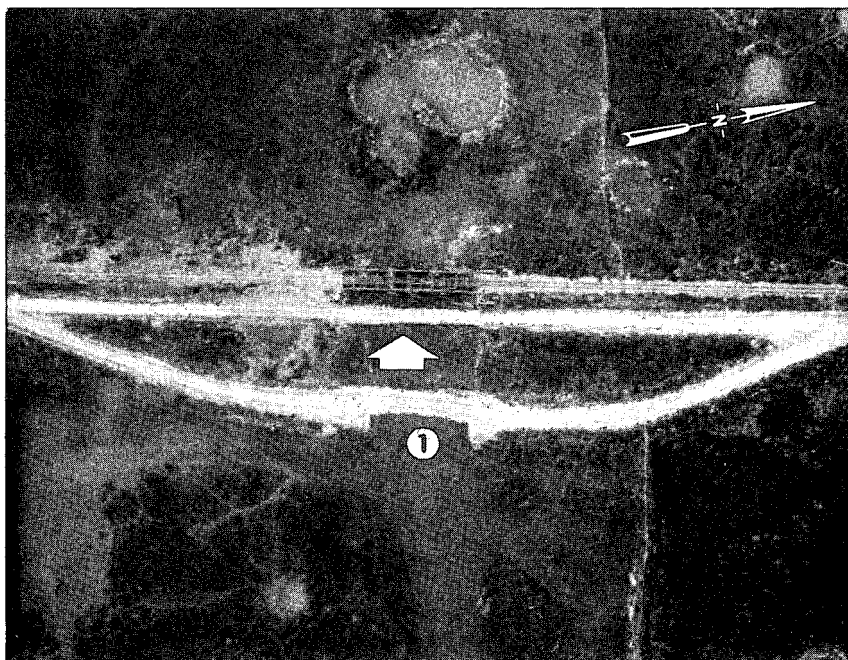
**STATUS:**

1 abutment destroyed; 1 span destroyed; bridge has been repaired and is serviceable.

**COMPENSATIVE ACTION:**

By-Pass No. 1 - 2 (probable) span 60' x 10' wood deck-type highway bridge with spans measuring 30'; 40' E of main bridge; serviceable.

**NOTE:** Rail bridge not damaged; no by-passes for it.  
 All measurements are approximate.

**CONFIDENTIAL**

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## DDI IMAGERY ANALYSIS STAFF

NAME Dong Muc RR. Bridge over Song Thuong <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> Bridge No. 19 on NF 48-11	COUNTRY North Vietnam	COORDINATES 21 27N - 106 14E XJ282726
	BRIEF NO: PIB 75559 March 1967	
MAP JOG (A) 1501 NF 48-11		

LOCATION: 0.3 nm SSW of Dong Kinh on the Thai Nguyen Rail Line.

## DESCRIPTION:

LENGTH 370'  
 WIDTH 15'  
 TYPE Deck

MATERIAL Steel and concrete  
 NO. OF SPANS 4  
 LENGTH OF EACH SPAN

25X1

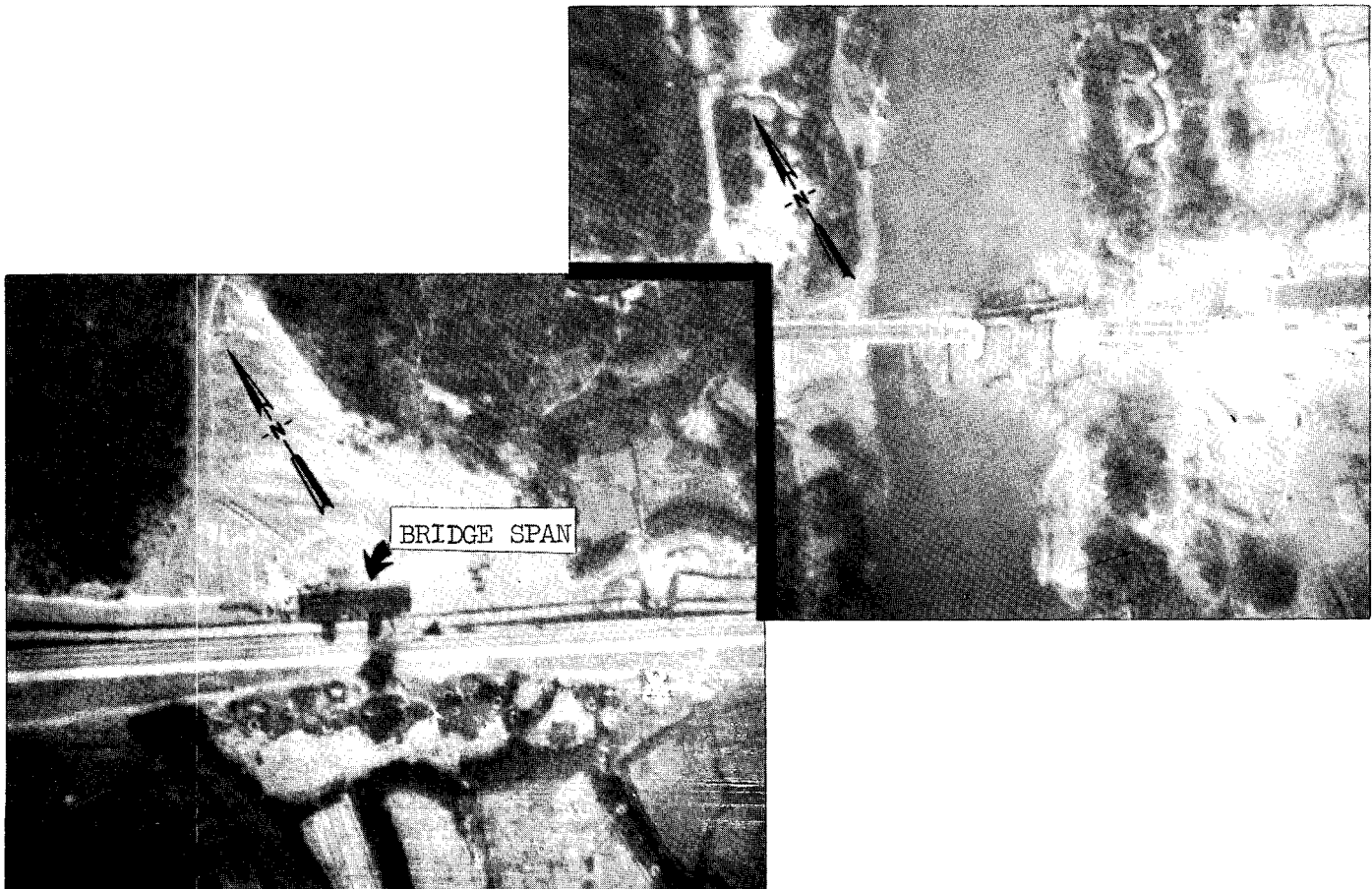
## STATUS:

One span dropped.

## COMPENSATIVE ACTION:

Probable replacement span under construction 1450' NW of the bridge.  
 Large quantity of construction material is located between the replacement span and the bridge.

NOTE: All measurements are approximate.

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GROUP 1  
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 downgrading and declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ninh Binh RR. and Hwy. Bridge	COUNTRY		COORDINATES	20 15N - 105 59E
		over Song Day [REDACTED]		North Vietnam		XH030405
25X1		Bridge No. 1 on NF 48-15			BRIEF NO:	
		[REDACTED]			PIB 75560	
	MAP	JOG (A) 1501 NF 48-15			March 1967	

LOCATION: At Ninh Binh on Hanoi/Dong Hoi Rail Line and Route 1A.

## DESCRIPTION:

25X1	LENGTH	680'	MATERIAL	Steel and concrete
	WIDTH	[REDACTED] (Single track)	NO. OF SPANS	8
	TYPE	Through-truss with center swing span	LENGTH OF EACH SPAN	85'

## STATUS:

3 spans destroyed; 2 spans very heavily damaged; 2 piers destroyed, 1 pier heavily damaged.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] 25 span 1000' x 5' wood and steel deck beam with 1 lift span; spans measure 40'; 0.6 nm E of main bridge; two 40' spans and the lift span destroyed; unserviceable.

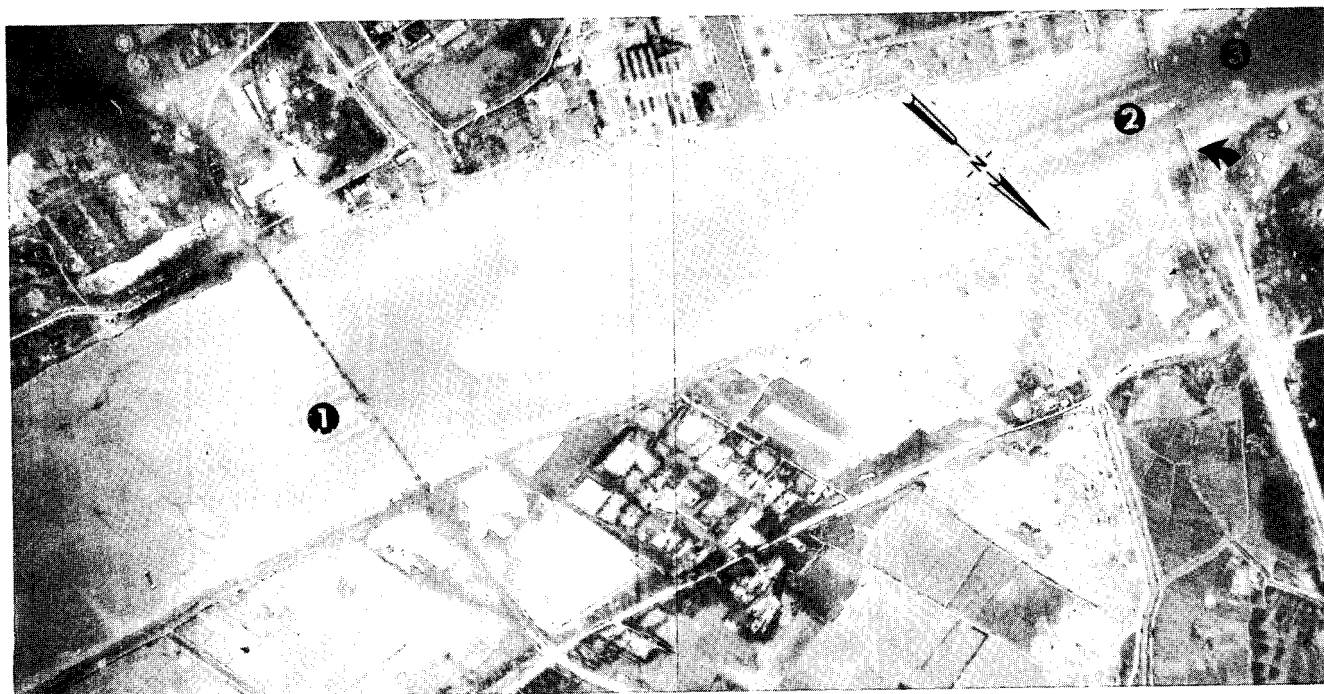
By-Pass No. 2 - No change [REDACTED]

By-Pass No. 3 - No change [REDACTED]

25X1

25X1

NOTE: All measurements are approximate.

**CONFIDENTIAL**

GROUP 1  
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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Bai Thuong Hwy. Bridge E	COUNTRY		COORDINATES	19 54N - 105 24E
		over Canal <input type="text"/>		North Vietnam		WH427012
25X1		Bridge No. 24 on NE 48-3			BRIEF NO:	
					PIB 75561	
	MAP	JOG (A) 1501 NE 48-3				March 1967

LOCATION: 0.7 nm S of Lam Son on Route 15.

## DESCRIPTION:

LENGTH 105'  
 WIDTH 10'  
 TYPE Deck

MATERIAL Wood  
 NO. OF SPANS 7  
 LENGTH OF EACH SPAN 15'

25X1 STATUS: No change

## COMPENSATIVE ACTION:

By-Pass No. 1 - 7-span 105' x 10' wood deck-type bridge with spans measuring 15'; 20' W of main bridge; serviceable.

25X1 

NOTE: All measurements are approximate.

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GROUP 1  
 Excluded from automatic  
 downgrading and declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME	COUNTRY	COORDINATES
Qui My Hwy. Bridge S over stream <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>	North Vietnam	19 24N - 105 45E WG800460
Bridge No. 50 on NE 48-3		

25X1

MAP	BRIEF NO:
JOG (A) 1501 NE 48-3	PIB 75562 March 1967

LOCATION: 0.6 nm S of Qui My on Route 1A.

## DESCRIPTION:

LENGTH 75'  
WIDTH 10'  
TYPE Deck

MATERIAL Timber  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 15'

## STATUS:

Main bridge replaced by a rock fill causeway (50' x 10')/single span  
timber deck bridge (25' x 10'); serviceable.

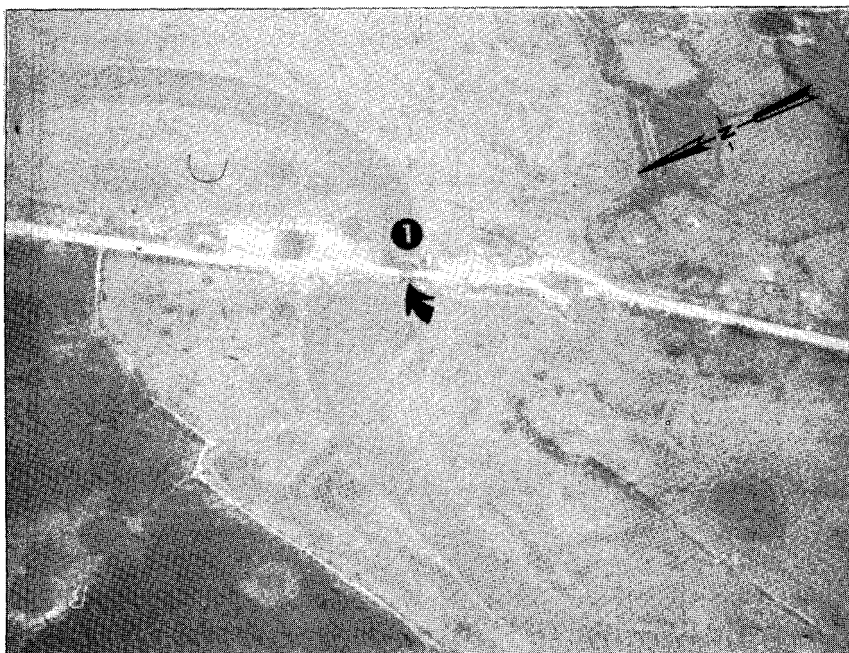
## COMPENSATIVE ACTION:

By-Pass No. 1 - 6-span, 100' x 10' timber deck-type bridge with 2 possible  
concrete piers; spans measure 1 @ 25', 2 @ 20', 2 @ 10',  
1 @ 15'; adjacent to E side of main bridge; 4 spans and  
2 piers destroyed; unserviceable.

25X1



NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Thi Long RR. Bridge SE over stream <input type="text"/> Bridge No. 63 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 30N - 105 45E WG775577
	25X1	<input type="text"/>			BRIEF NO:	PIB 75563 March 1967
	MAP	JOG (A) 1501 NE 48-3				

LOCATION: 0.4 nm NE of Nap Bang on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1	LENGTH	25'	MATERIAL	Wood and steel
	WIDTH	<input type="text"/>	NO. OF SPANS	1
	TYPE	Half-through truss	LENGTH OF EACH SPAN	25'

## STATUS:

Destroyed and replaced by a single span  wood and steel deck-type  
bridge; serviceable.

25X1

## COMPENSATIVE ACTION:

NA

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Qui My RR. Bridge No. 3 Bridge No. 9 on NE 48-3	North Vietnam	19 25N - 105 45E WG743485
[REDACTED]		BRIEF NO: PIB 75564 March 1967
MAP	JOG (A) 1501 NE 48-3	

LOCATION: 0.8 nm NW of Qui My on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 60'  
 WIDTH [REDACTED]  
 TYPE Half-through truss

MATERIAL Steel and concrete  
 NO. OF SPANS 2 (1 span w/temporary reinforcing pier)  
 LENGTH OF EACH SPAN 30'

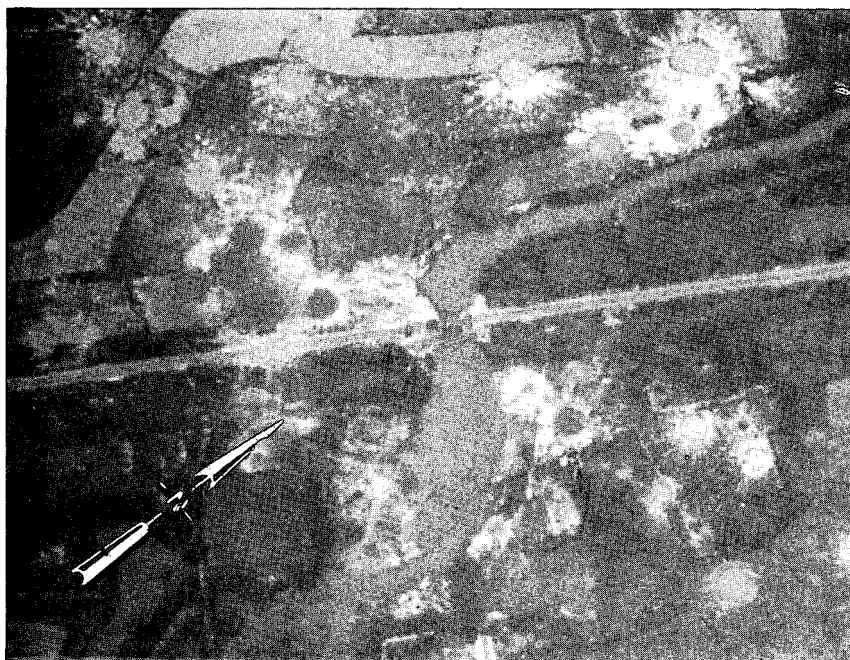
## STATUS:

First replacement span previously completed and serviceable, subsequently destroyed; second replacement appears complete; single span [REDACTED] wood and steel deck-type bridge with span measuring 60'; serviceable.

## COMPENSATIVE ACTION:

NA

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Sai Thon RR. Bridge N over stream <input type="text"/> Bridge No. 62 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 38N - 105 42E WG740720
	25X1				BRIEF NO:	PIB 75565 March 1967
	MAP	JOG (A) 1501 NE 48-3				

LOCATION: 0.4 nm S of Suong Thon on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1	LENGTH	30'	MATERIAL	Steel and concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	2
	TYPE	Half-through truss	LENGTH OF EACH SPAN	15'

## STATUS:

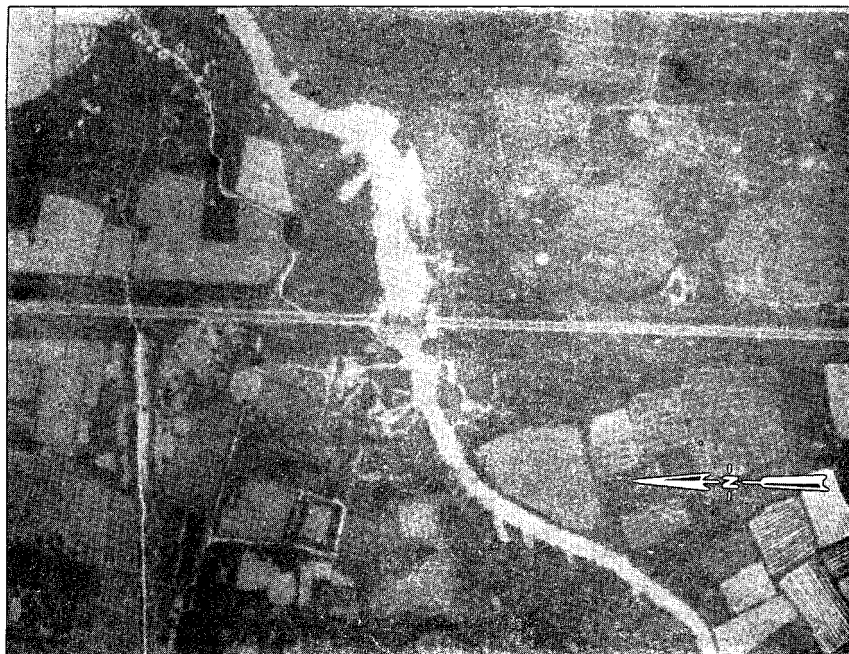
Original bridge displaced; replaced by a 2-span  wood and steel deck-type bridge with spans measuring 15'.

25X1

## COMPENSATIVE ACTION:

NA

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

<b>NAME</b> Thuy Ba Thuong Hwy. Bridge Bridge No. 63 on NE 48-12	<b>COUNTRY</b> North Vietnam	<b>COORDINATES</b> 17 00N - 106 59E YD122819
<b>MAP</b> JOG (A) 1501 NE 48-12		<b>BRIEF NO:</b> PIB 75566 March 1967

25X1

**LOCATION:** 0.5 nm S of Thuy Ba Thuong on an unnumbered route.**DESCRIPTION:**

25X1

**LENGTH**  
**WIDTH**  
**TYPE**

Deck

**MATERIAL** Timber  
**NO. OF SPANS** 6 probable  
**LENGTH OF EACH SPAN**

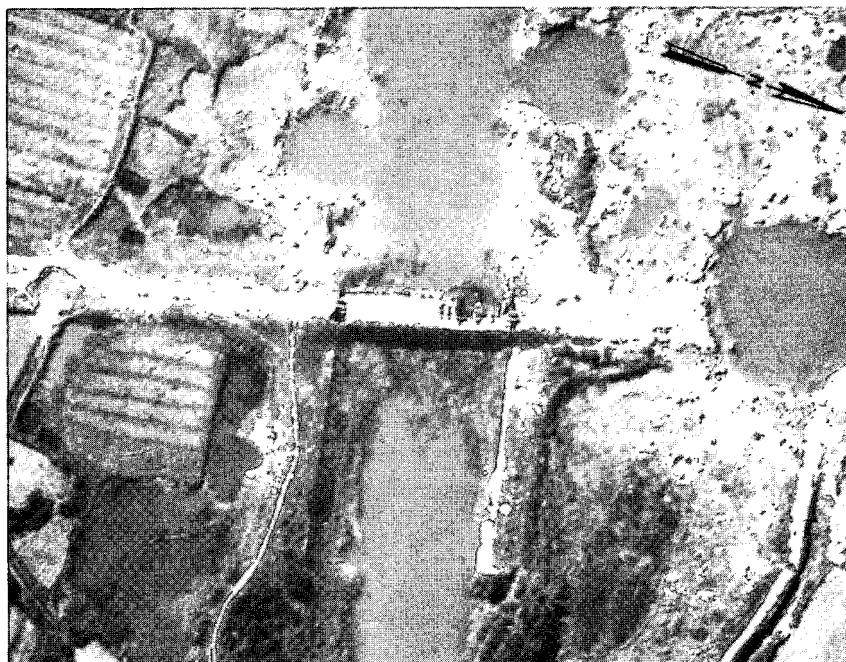
25X1

**STATUS:**

1 abutment damaged; 1 abutment possibly damaged; 1 pier damaged; 2 spans severely damaged; 1 span moderately damaged.

**COMPENSATIVE ACTION:**

None

**NOTE:** All measurements are approximate.**CONFIDENTIAL**

~~CONFIDENTIAL~~

## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Phuong Tieu Hwy. Bridge S over Cao Ngo Giang [REDACTED]  
25X1 Bridge No. 52 on NE 48-12 North Vietnam

COORDINATES 17 06N - 106 49E  
XD943920

25X1 [REDACTED] BRIEF NO:  
PIB 75567  
March 1967

MAP JOG (A) 1501 NE 48-12

LOCATION: 1.7 nm S of Phuong Tieu on Route 101.

## DESCRIPTION:

25X1 LENGTH [REDACTED] MATERIAL Timber  
WIDTH 10' NO. OF SPANS 2  
TYPE Deck LENGTH OF EACH SPAN [REDACTED]

25X1

## STATUS:

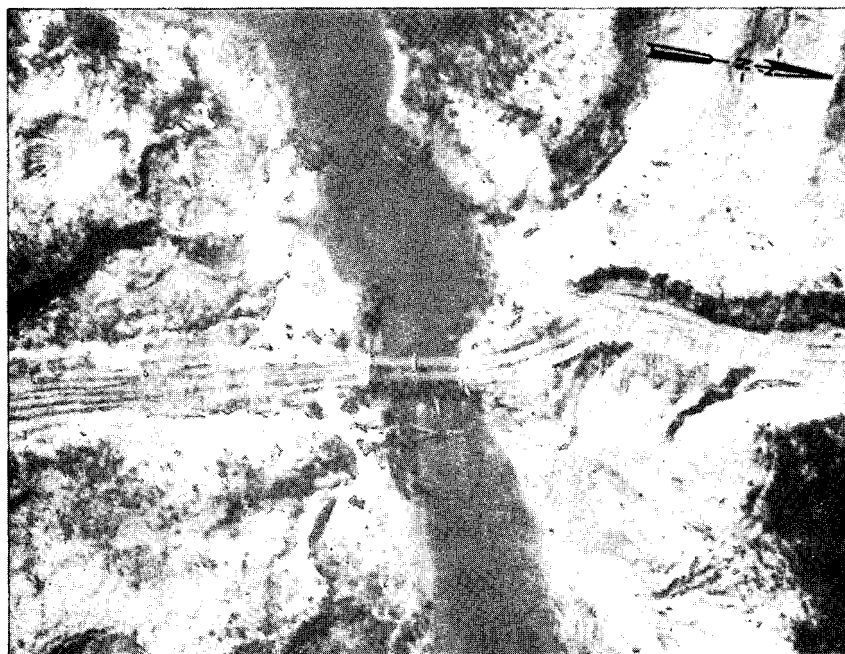
Bridge repaired and serviceable.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - constructed [REDACTED] ford; probable rock/gravel base;  
1000' N of main bridge; serviceable.

25X1

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1

NAME	COUNTRY	COORDINATES
Lan Tra Hwy. Bridge over Song Cua <span style="border: 1px solid black; padding: 0 20px;"> </span>	North Vietnam	19 21N - 105 43E
Bridge No. 30 on NE 48-3		WG765405

25X1

<span style="border: 1px solid black; padding: 0 20px;"> </span>	BRIEF NO: PIB 75568 March 1967
MAP JOG (A) 1501 NE 48-3	

LOCATION: 0.8 nm W of Phong Bai on Route 1A.

## DESCRIPTION:

LENGTH 80'  
WIDTH 10'  
TYPE Deck

MATERIAL Timber and concrete  
NO. OF SPANS 4  
LENGTH OF EACH SPAN 20'

## STATUS:

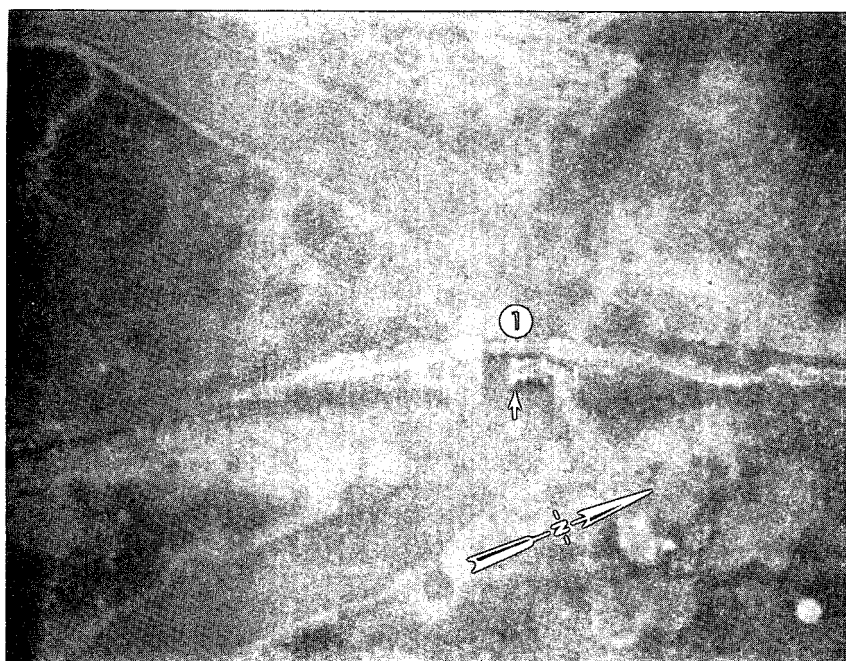
3 spans destroyed; 1 span partially damaged.

## COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - 4 span   timber deck-type bridge with spans measuring 20'; immediately W of main bridge; serviceable.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Cao Duong RR. and Hwy. Bridge	COUNTRY	North Vietnam	COORDINATES	20 24N - 106 02E
		over Canal [REDACTED]				WHO81647
25X1	MAP	JOG (A) 1501 NF 48-15	BRIEF NO:	PIB 75569	March 1967	
		LOCATION: 0.6 nm S of Xi Thuang on Route 21.				

## DESCRIPTION:

LENGTH 125'  
 WIDTH 10'  
 TYPE Deck

MATERIAL Wood  
 NO. OF SPANS 7  
 LENGTH OF EACH SPAN [REDACTED]

25X1

## STATUS:

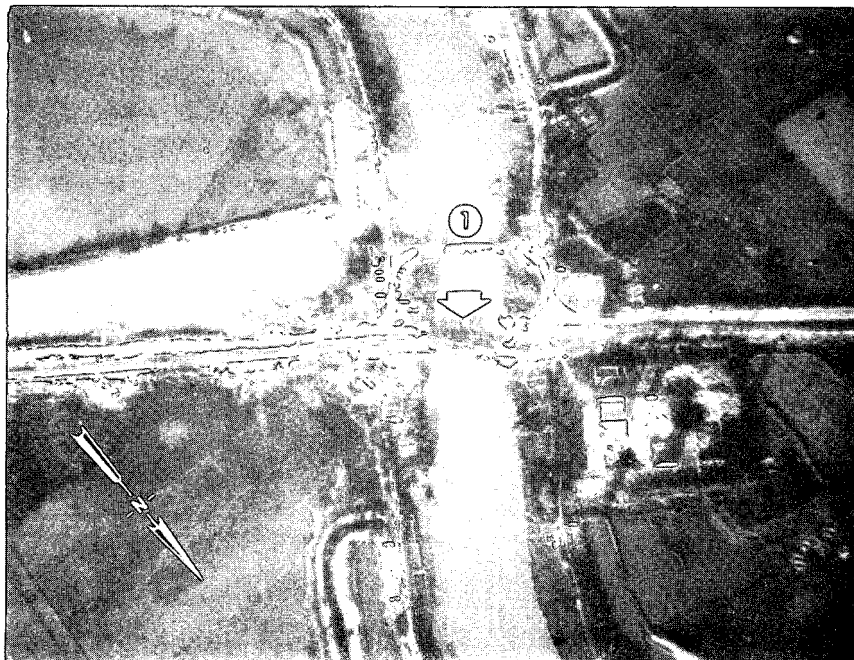
No change [REDACTED]

## COMPENSATIVE ACTION:

By-Pass No. 1 - 100' x 10' pontoon bridge; 115' NW of main bridge;  
 serviceable.



NOTE: Status of adjacent railroad bridge is described in PIB 75570.  
 All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1

25X1

NAME	Cao Duong RR. and Hwy. Bridge over Canal [REDACTED] Bridge No. 15 on NF 48-15	COUNTRY	North Vietnam	COORDINATES	20 28N - 106 02E XH081647
MAP	JOG (A) 1501 NF 48-15			BRIEF NO:	PIB 75570 March 1967

LOCATION: 0.6 nm S of Xi Thuang on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1

LENGTH 125'  
 WIDTH [REDACTED]  
 TYPE (Single track)  
 Half-through truss

MATERIAL Steel and concrete  
 NO. OF SPANS 2 probable  
 LENGTH OF EACH SPAN [REDACTED]

25X1

## STATUS:

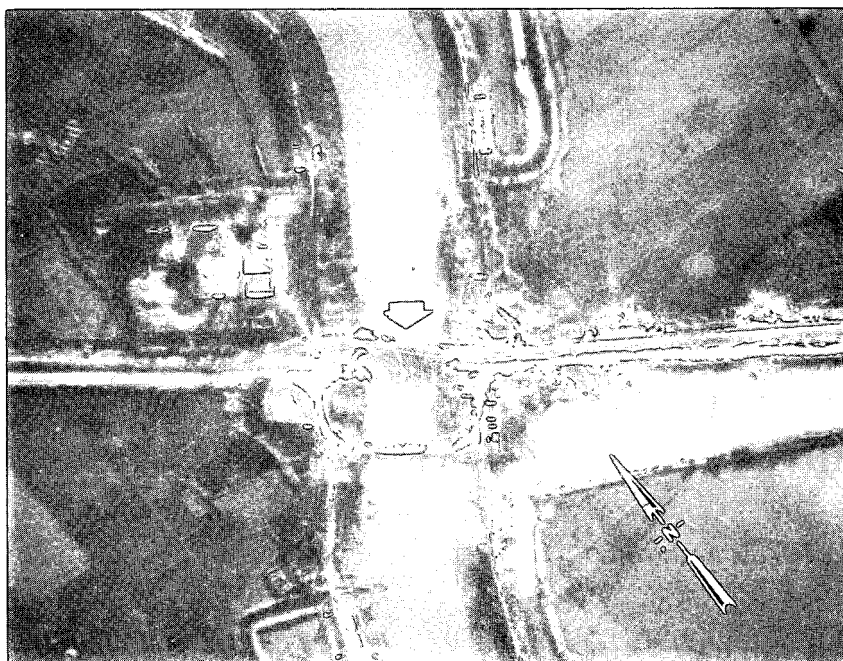
Bridge reconstructed as a multi-span deck-beam structure built upon the old bridge superstructure.

## COMPENSATIVE ACTION:

None

25X1

NOTE: Status of adjacent highway bridge is described in PIB 75569.  
 All measurements are approximate.

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GROUP 1  
 Excluded from automatic  
 downgrading and declassification

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Dap Cau RR. and Hwy. Bridge over Song Cau [REDACTED] Bridge No. 12 on NF 48-11	COUNTRY	North Vietnam	COORDINATES	21 12N - 106 05E XJ135450
	25X1	[REDACTED]			BRIEF NO:	PIB 75571 March 1967
	MAP	JOG (A) 1501 NF 48-11				
LOCATION: 0.2 nm W of Dap Cau on Route 1A and the Hanoi/Dong Dang Rail Line.						

## DESCRIPTION:

LENGTH	530'	MATERIAL	Steel, wood and concrete
WIDTH	25' (Single track)	NO. OF SPANS	7
TYPE	Combination through-truss and deck	LENGTH OF EACH SPAN	2 @ 40', 2 @ 60', 2 @ 90', 1 @ 150'

STATUS: The 150' deck span has been repaired; two 40' spans remain damaged.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] 7-span [REDACTED] concrete and steel  
removeable deck-type railroad bridge with spans measuring  
1 @ 20', 4 @ 40', and 2 @ 60'; 2340' W of main bridge;  
serviceable. 25X1

By-Pass No. 2 - 300' x 15' pontoon highway bridge; 1035' W of main bridge;  
serviceable.

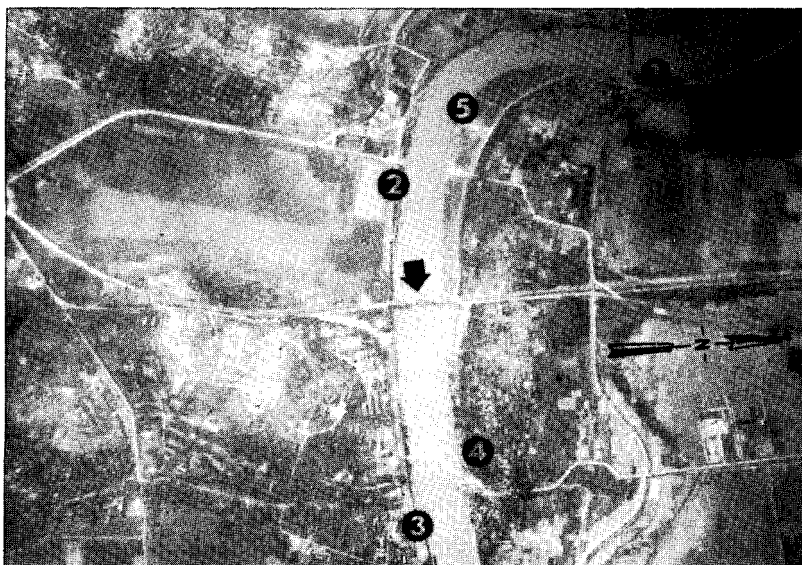
25X1 By-Pass No. 3 - [REDACTED] pontoon highway bridge; 1640' E of main bridge;  
serviceable.

By-Pass No. 4 - vehicle ferry landings located 1600' E of main bridge;  
serviceable; 2 ferry boats noted.

By-Pass No. 5 - vehicle ferry landings located 1400' W of main bridge;  
serviceable; 1 ferry boat noted.

25X1

NOTE: All measurements are approximate.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

**CONFIDENTIAL**

25X1

25X1

DDI IMAGERY ANALYSIS STAFF		
NAME	Dong Phong Thuong RR. & Hwy. Br. over Song Len [REDACTED] Bridge No. 6 on NE 48-3	COUNTRY North Vietnam
		COORDINATES 19 58N - 105 50E WH886091
MAP		BRIEF NO:
JOG (A) 1501 NE 48-3		PIB 75572 April 1967
LOCATION: 0.5 nm E of Na Thon on Hanoi/Dong Hoi Rail Line and Route 1A.		

## DESCRIPTION:

25X1

LENGTH 525'  
WIDTH [REDACTED]  
TYPE Through truss

MATERIAL Steel and concrete  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 175'

25X1

STATUS: No change [REDACTED]

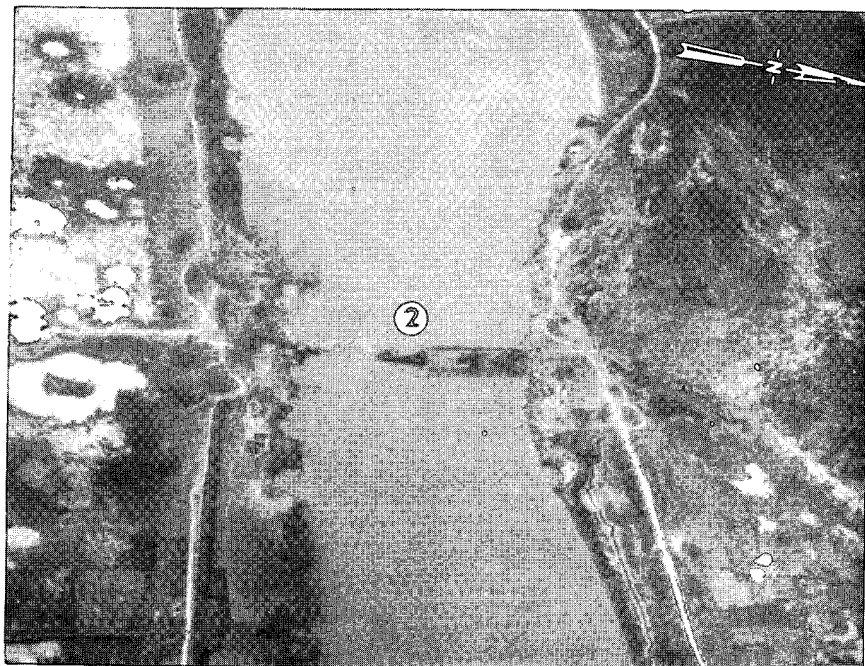
## COMPENSATIVE ACTION:

25X1

By-Pass No. 1 - no change [REDACTED] (not illustrated). 25X1  
 By-Pass No. 2 - [REDACTED] 6-span [REDACTED] steel and timber deck 25X1  
 beam bridge with 45' spans; 9000' SW of main bridge; 4 spans  
 dropped, 1 span severely damaged, 1 pier destroyed, 2 piers  
 severely damaged; unserviceable.  
 By-Pass No. 3 - no change [REDACTED] (not illustrated). 25X1

25X1

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ly Nhan Hwy. Bridge over Song Bang <input type="text"/>	COUNTRY		COORDINATES	
		Bridge No. 3 on NE 48-3		North Vietnam		19 00N - 105 35E WG624017
25X1	<input type="text"/>				BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-3				PIB 75573 April 1967

LOCATION: 0.5 nm ESE of Ly Trai on Route 1A.

## DESCRIPTION:

25X1	LENGTH	400'	MATERIAL	Concrete
	WIDTH	<input type="text"/>	NO. OF SPANS	5
	TYPE	Deck	LENGTH OF EACH SPAN	80'

25X1 STATUS: No change

## COMPENSATIVE ACTION:

By-Pass No. 1 - a 300' pontoon bridge crossing site; 650' E of main bridge; approaches serviceable; pontoon sections noted W of main bridge.

By-Pass No. 2 - a 350' pontoon bridge crossing site; 40' W of main bridge; approaches serviceable; pontoon sections noted W of main bridge.

25X1

NOTE: All measurements are approximate.  
Pontoon sections for By-Pass Nos. 1 and 2 are not illustrated.

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DDI IMAGERY ANALYSIS STAFF

25X1

NAME Hai Le Hwy. Bridge over  
Xom Di Le   
Bridge No. 35 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 15N - 105 44E  
WG773295

25X1

MAP JOG (A) 1501 NE 48-3

BRIEF NO:  
PIB 75574  
April 1967

LOCATION: 1 nm SW of Dong Ly on an unnumbered route.

DESCRIPTION:

25X1

LENGTH 40'  
WIDTH   
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN

25X1

25X1

STATUS: No change

COMPENSATIVE ACTION:

By-Pass No. 1 - 3-span 40' x 10' wood deck-type bridge with  spans;  
220' N of main bridge; middle span dropped; bridge  
unserviceable.

25X1

25X1

NOTE: All measurements are approximate.



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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Nghia Lo Hwy. Bridge Bridge No. 40 on NF 48-10	North Vietnam	21 36N - 104 30E VJ493895
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		BRIEF NO:
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		PIB 75575 April 1967
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>		

LOCATION: 0.6 nm N of Nghia Lo on Route 134.

## DESCRIPTION:

LENGTH

210'

MATERIAL Probable concrete and steel

WIDTH

NO. OF SPANS 2

TYPE

Probable deck

LENGTH OF EACH SPAN 105'

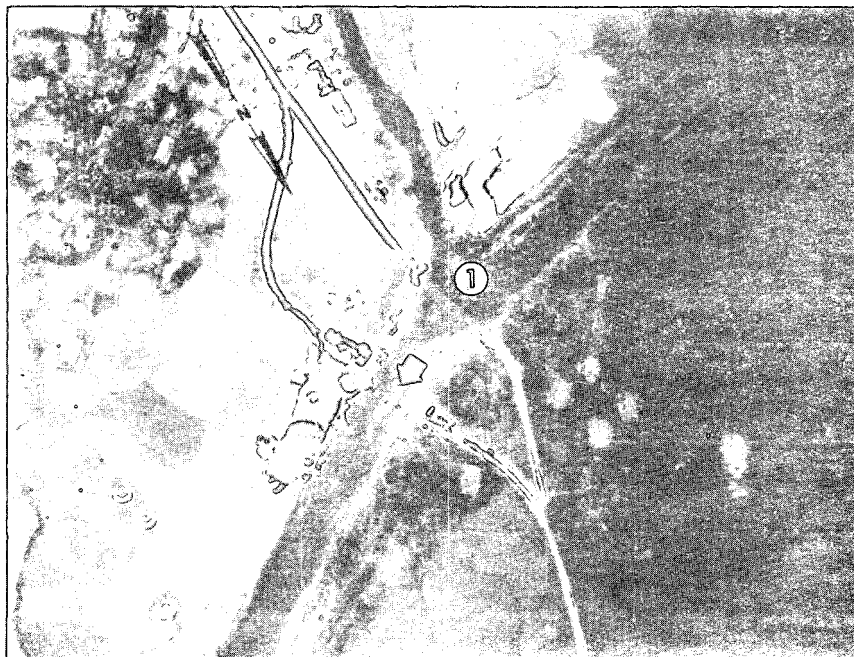
## STATUS:

No change

## COMPENSATIVE ACTION:

By-Pass No. 1 - constructed 230' x 20' ford; probable rock/gravel base;  
240' W of main bridge; serviceable.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Ban Na Mai Hwy. Bridge over stream <input type="text"/>	COUNTRY		COORDINATES	19 27N - 103 08E
		Bridge No. 4L on NE 48-1	Laos		UGO41533	
25X1					BRIEF NO:	
	MAP	JOG (A) 1501 NE 48-1			PIB 75576	
					March 1967	

LOCATION: 1 nm NW of Ban Sanchot on Route 4/7.

## DESCRIPTION:

25X1  
LENGTH  
WIDTH  
TYPE  
  
DeckMATERIAL Wood  
NO. OF SPANS 3 probable  
LENGTH OF EACH SPAN 

25X1

## STATUS:

Bridge destroyed.

## COMPENSATIVE ACTION:

None apparent.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Ban Xia Hwy. Bridge Bridge No. 5L on NE 48-1	Laos	19 31N - 103 04E TG975592
25X1		BRIEF NO:
MAP JOG (A) 1501 NE 48-1		PIB 75577 March 1967

LOCATION: 3.7 nm E of Ban Xia on Route 4/7.

## DESCRIPTION:

25X1

LENGTH	190'
WIDTH	
TYPE	Through truss

MATERIAL Steel and concrete  
NO. OF SPANS 3  
LENGTH OF EACH SPAN 1 @ 100', 2 @ 45'

## STATUS:

3 spans dropped.

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [ ] natural 55' ford adjacent to bridge;  
unused but possibly serviceable.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Tam Da RR. and Hwy. Bridge over Song Cua Lo [REDACTED] Bridge No. 18 on NE 48-7	COUNTRY	North Vietnam	COORDINATES	18 50N - 105 39E WF691839
	25X1	[REDACTED]			BRIEF NO:	PIB 75578 April 1967

MAP JOG (A) 1501 NE 48-7

LOCATION: 2.3 nm NE of Tam Da on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

25X1 LENGTH 360'  
 25X1 WIDTH [REDACTED] (Single track)  
 TYPE Deck beam with lattice  
 tower supports

MATERIAL Wood and concrete  
 NO. OF SPANS 12 probable  
 LENGTH OF EACH SPAN 30'

## STATUS:

The bridge is under reconstruction.

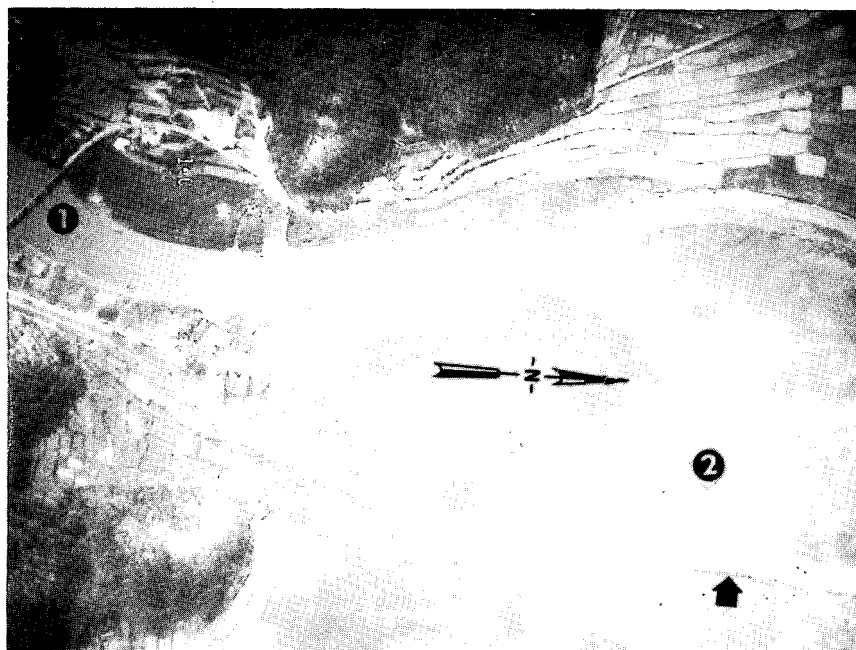
## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - [REDACTED] 13-span [REDACTED] wood and concrete deck-  
 25X1 type bridge with spans measuring 2 @ 75', and 11 @ 25';  
 1650' S of the main bridge; serviceable.

By-Pass No. 2 - (formerly Bridge No. 82 on NE 48-7); combination 340'  
 highway pontoon bridge crossing site and ferry landings;  
 located 250' W of main bridge; landings are serviceable;  
 pontoon sections located along stream banks downstream; no  
 ferryboat noted.

25X1

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Dien Chau RR. Bridge No. 1  
over Song Bang [REDACTED]  
Bridge No. 6 on NE 48-7

COUNTRY North Vietnam

COORDINATES 18 58N - 105 35E  
WF613978

25X1 [REDACTED] BRIEF NO:  
PIB 75579  
April 1967

MAP JOG (A) 1501 NE 48-7

LOCATION: 1.6 nm SW of Huyen Dien Chau on the Hanoi/Dong Hoi Rail Line.

DESCRIPTION:

LENGTH 330'  
WIDTH 15'  
TYPE Combination half-through  
truss and deck-beam

MATERIAL Concrete and steel  
NO. OF SPANS 8  
LENGTH OF EACH SPAN 1 @ 105', 2 @ 50', 5 @ 25'

STATUS:  
Reconstruction of the piers has begun.

25X1 COMPENSATIVE ACTION:

By-Pass No. 1 - [REDACTED] 20-span 230' x 5' wood deck-beam bridge with  
lattice tower and crib supports; spans measuring 1 @ 30',  
1 @ 20', and 18 @ 10'; 1800' W of main bridge; serviceable.

25X1 By-Pass No. 2 - [REDACTED] 11-span 300' x 5' concrete and steel deck-  
type bridge with spans measuring 1 @ 50', 2 @ 35', and 9 @  
20'; 1320' NW of main bridge; U/C and unserviceable.

25X1

[REDACTED]

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Tho Trang RR. Bridge over  
stream   
25X1 Bridge No. 14 on NE 48-3

COUNTRY  
North Vietnam

COORDINATES  
19 09N - 105 37E  
WG649181

25X1

BRIEF NO:  
PIB 75580  
April 1967

MAP JOG (A) 1501 NE 48-3

LOCATION: 0.5 nm SE of Tho Trang on Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 60'  
WIDTH 10'  
TYPE Half-through truss

MATERIAL Steel and concrete  
NO. OF SPANS 2  
LENGTH OF EACH SPAN 30'

25X1 STATUS:

No change 

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 5 (probable) span 60' x 10' timber deck-beam bridge with  
 spans; 350' E of main bridge; bridge is U/C and not yet  
serviceable.

25X1

  
NOTE: All measurements are approximate.~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

DDI IMAGERY ANALYSIS STAFF

25X1

NAME Phuc Thiem Hwy. Bridge over  
stream   
Bridge No. 2 on NE 48-7

COUNTRY  
North Vietnam

COORDINATES  
18 57N - 105 34E  
WF605969

25X1

MAP JOG (A) 1501 NE 48-7

BRIEF NO:  
PIB 75581  
April 1967

LOCATION: 1.0 nm W of Phuc Thiem on Route 7.

DESCRIPTION:

25X1

LENGTH 75'  
WIDTH   
TYPE Deck

MATERIAL Timber  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 15'

STATUS:  
One span destroyed.

COMPENSATIVE ACTION:

By-Pass No. 1 - ferry landings 350' E of main bridge; serviceable; no  
ferryboats noted.

25X1

NOTE: All measurements are approximate.



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## DDI IMAGERY ANALYSIS STAFF

NAME Ha Thon RR. and Hwy. Bridge  
over Song Vac   
Bridge No. 11 on NF 48-15

COUNTRY  
North Vietnam

COORDINATES  
20 12N - 105 58E  
XH013348

MAP JOG (A) 1501 NF 48-15

LOCATION: 0.8 nm SE of Vu Lam on Route 1A.

BRIEF NO:  
PIB 75582  
April 1967

## DESCRIPTION:

LENGTH 110'  
WIDTH   
TYPE Deck

MATERIAL Concrete  
NO. OF SPANS 4 possible  
LENGTH OF EACH SPAN

## STATUS:

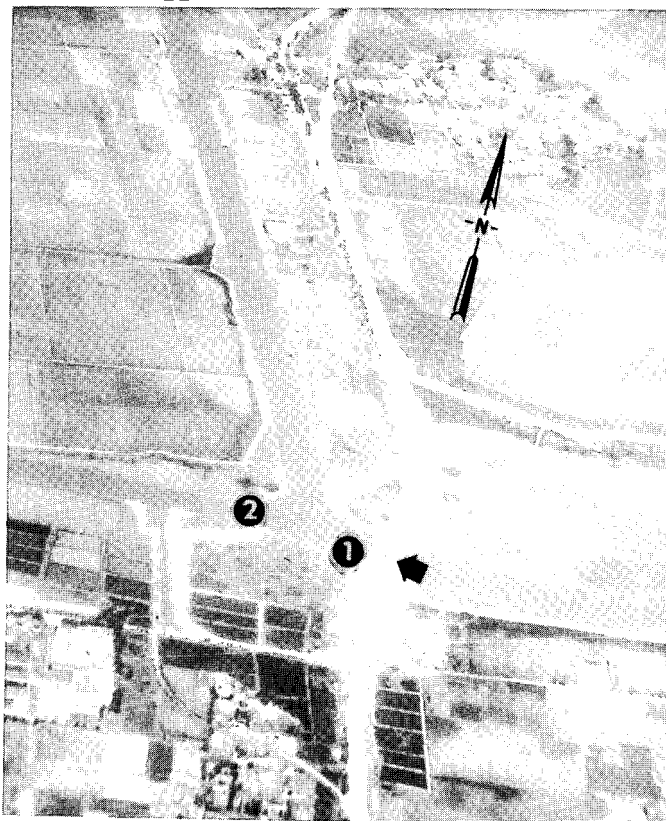
No change

## COMPENSATIVE ACTION:

By-Pass No. 1 -  highway pontoon bridge; 50' W of main bridge;  
serviceable.

By-Pass No. 2 - 300' highway pontoon bridge site; 300' W of main bridge;  
approaches serviceable; pontoon sections moored downstream  
from main bridge.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Tri Dong Hwy. Bridge over  
Song Day  COUNTRY North Vietnam COORDINATES 20 21N - 105 55E  
Bridge No. 2 on NF 48-15 WH966518

25X1  BRIEF NO:  
PIB 75583  
April 1967

MAP JOG (A) 1501 NF 48-15

LOCATION: 0.2 nm E of Tri Dong on Route 1A.

## DESCRIPTION:

25X1 LENGTH 600' MATERIAL Concrete, timber and steel  
WIDTH  NO. OF SPANS 7  
TYPE Combination deck/cable bridge LENGTH OF EACH SPAN 6 @ 75', 1 @ 150'

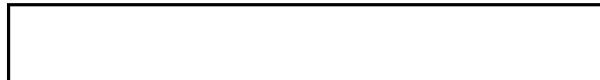
## STATUS:

Probably serviceable; note timber decking for the 150' cable bridge span on decking of adjacent spans.

## COMPENSATIVE ACTION:

- By-Pass No. 1 - ferry landings located 50' E of main bridge; serviceable; no ferryboats noted.
- By-Pass No. 2 - ferry landings located 300' W of main bridge; serviceable; 1 possible ferryboat noted.

25X1



NOTE: All measurements are approximate.

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**CONFIDENTIAL**

## DDI IMAGERY ANALYSIS STAFF

25X1 25X1	NAME	Cung Que Hwy. Bridge SW over Hoang Long Giang <span style="border: 1px solid black; display: inline-block; width: 150px; height: 1.2em; vertical-align: middle;"></span> Bridge No. 3 on NF 48-15	COUNTRY	North Vietnam	COORDINATES	20 19N - 105 56E WH980476
	MAP	JOG (A) 1501 NF 48-15			BRIEF NO:	PIB 75584 April 1967

LOCATION: 1 nm SW of Cung Que on Route 1A.

## DESCRIPTION:

LENGTH 360'  
WIDTH 10'  
TYPE

Half-through truss

MATERIAL Steel and concrete

NO. OF SPANS 4

LENGTH OF EACH SPAN 2 @ 150', 2 @ 30'

## STATUS:

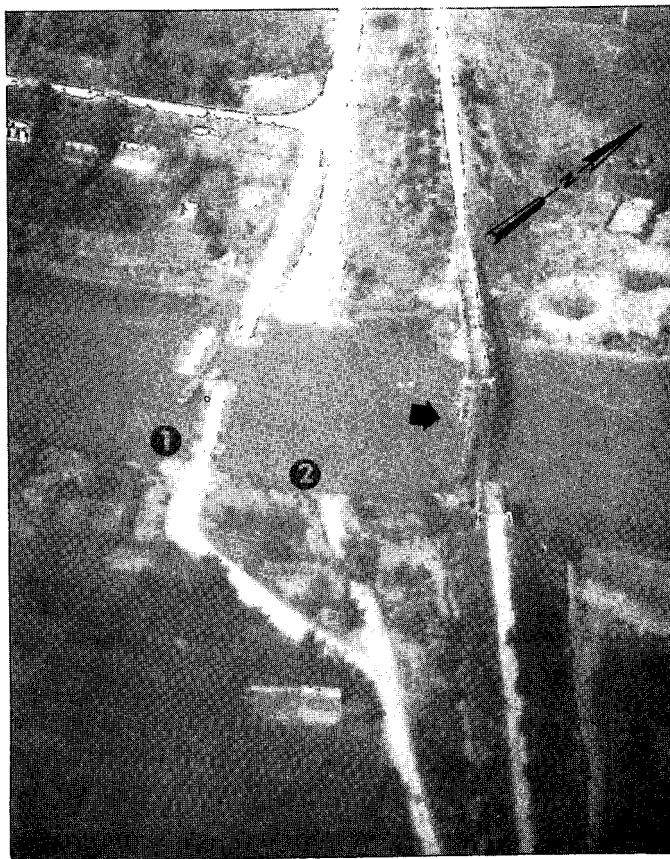
Reconstruction of destroyed 150' span has begun.

## COMPENSATIVE ACTION:

By-Pass No. 1 - 215' x 10' pontoon bridge; 400' SW of main bridge; center span temporarily open to allow river traffic to pass; serviceable.

By-Pass No. 2 - 230' pontoon bridge/ferry landings site; 250' SW of main bridge; no ferryboats noted; landings serviceable.

NOTE: All measurements are approximate.

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## DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Quang Khe Hwy. Bridge No. 2 Bridge No. 39 on NE 48-11	North Vietnam	17 41N - 106 28E XE567568
<div data-bbox="40 430 129 472">25X1</div>		BRIEF NO: PIB 75585 April 1967
<div data-bbox="170 483 657 514">MAP JOG (A) 1501 NE 48-11</div>		

LOCATION: 0.2 nm SW of Quang Khe on an unnumbered route.

## DESCRIPTION:

LENGTH 55'  
WIDTH 10'  
TYPE Deck

MATERIAL Wood  
NO. OF SPANS 5 probable  
LENGTH OF EACH SPAN

25X1

## STATUS:

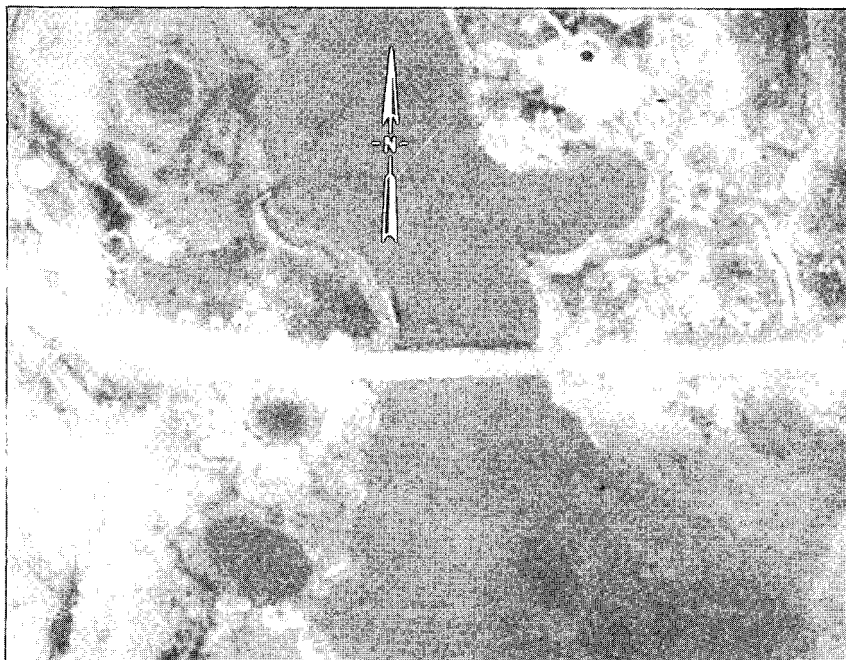
Serviceable replacement bridge.

## COMPENSATIVE ACTION:

None

25X1

NOTE: All measurements are approximate.

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~~CONFIDENTIAL~~

## DDI IMAGERY ANALYSIS STAFF

25X1

NAME Ngoc Lam RR. Bridge over  
stream [REDACTED]  
Bridge No. 23 on NE 48-11

COUNTRY  
North Vietnam

COORDINATES  
17 49N - 106 08E  
XE206712

25X1

## BRIEF NO:

PIB 75586  
April 1967

MAP JOG (A) 1501 NE 48-11

LOCATION: 0.4 nm W of Thuong Phyl on abandoned segment of Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 90'  
WIDTH [REDACTED]  
TYPE Deck

MATERIAL Steel and concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN 90'

25X1

25X1

## STATUS:

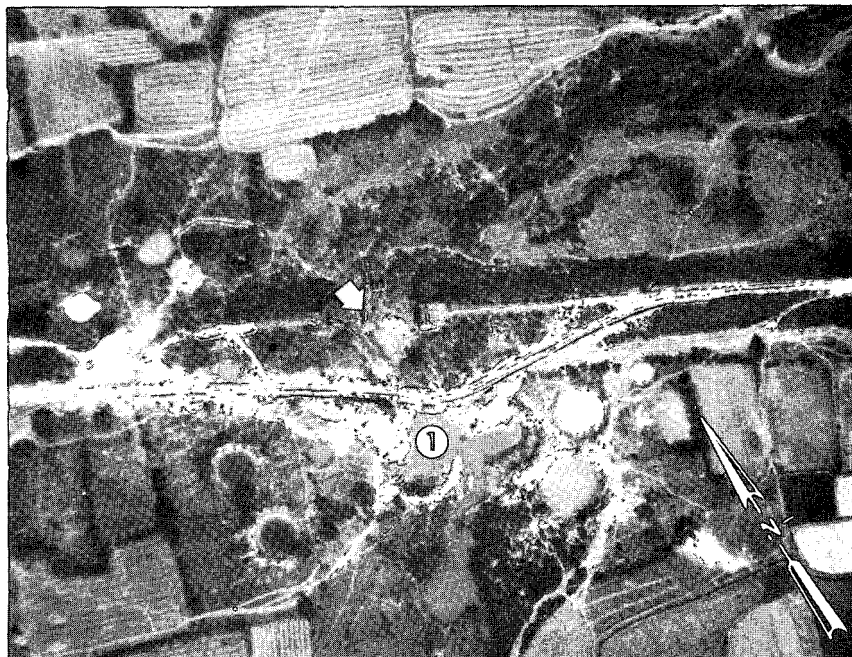
No change [REDACTED]

## COMPENSATIVE ACTION:

By-Pass No. 1 - bridge replaced by a [REDACTED] gravel/rock causeway; 70' S of main bridge; serviceable. 25X1

25X1

NOTE: All measurements are approximate.

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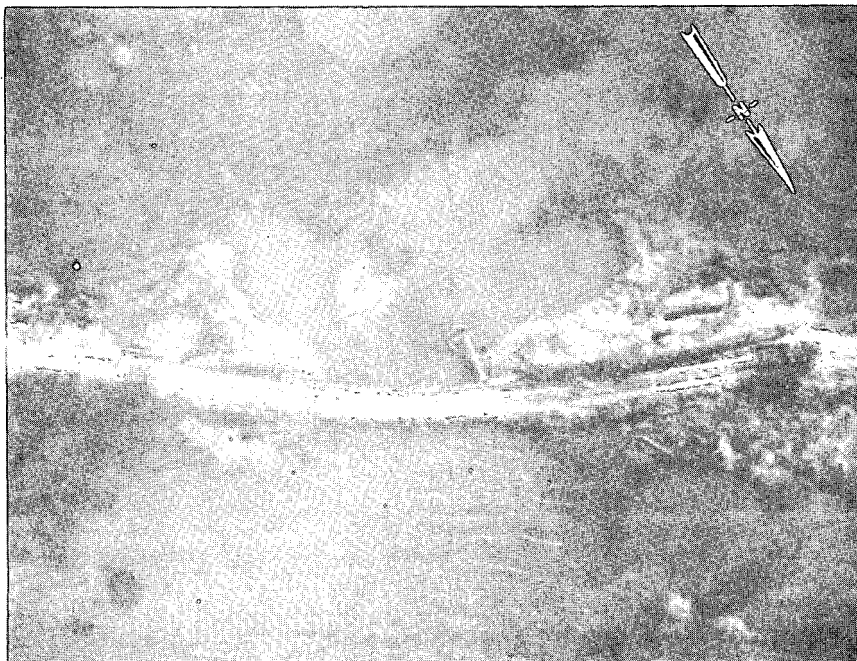
GROUP 1  
Excluded from automatic  
downgrading and declassification

**CONFIDENTIAL**

## DDI IMAGERY ANALYSIS STAFF

25X1	NAME	Thuy Lien Thuong Hwy. Bridge	COUNTRY		COORDINATES	17 10N - 106 54E
		No. 1 over stream <input type="text"/>		North Vietnam		YD034992
25X1		Bridge No. 10 on NE 48-12			BRIEF NO:	
		<input type="text"/>			PIB 75587	April 1967
	MAP	JOG (A) 1501 NE 48-12				
	LOCATION:	0.8 nm W of Tram Trung on Route 1A.				
	DESCRIPTION:					
	LENGTH	65'	MATERIAL	Concrete		
	WIDTH	15'	NO. OF SPANS	1		
	TYPE	Deck	LENGTH OF EACH SPAN	65'		
25X1	STATUS:	Original bridge destroyed; replaced by a <input type="text"/> timber deck bridge with				
25X1		6 probable <input type="text"/> spans; replacement bridge utilizes one abutment of the original bridge.				
	COMPENSATIVE ACTION:	None				

NOTE: All measurements are approximate.

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DDI IMAGERY ANALYSIS STAFF

NAME	COUNTRY	COORDINATES
Lai Cach Hwy. Bridge Bridge No. 64 on NE 48-12	North Vietnam	17 04N - 106 56E YD065892
25X1 <input type="text"/>		BRIEF NO: PIB 75589 April 1967
MAP JOG (A) 1501 NE 48-12		
LOCATION: 0.6 nm SW of Lai Cach on the abandoned Rail Line S of Dong Hoi.		

DESCRIPTION:

25X1

LENGTH  
WIDTH  
TYPE

  
Deck

MATERIAL Concrete  
NO. OF SPANS 1  
LENGTH OF EACH SPAN

25X1

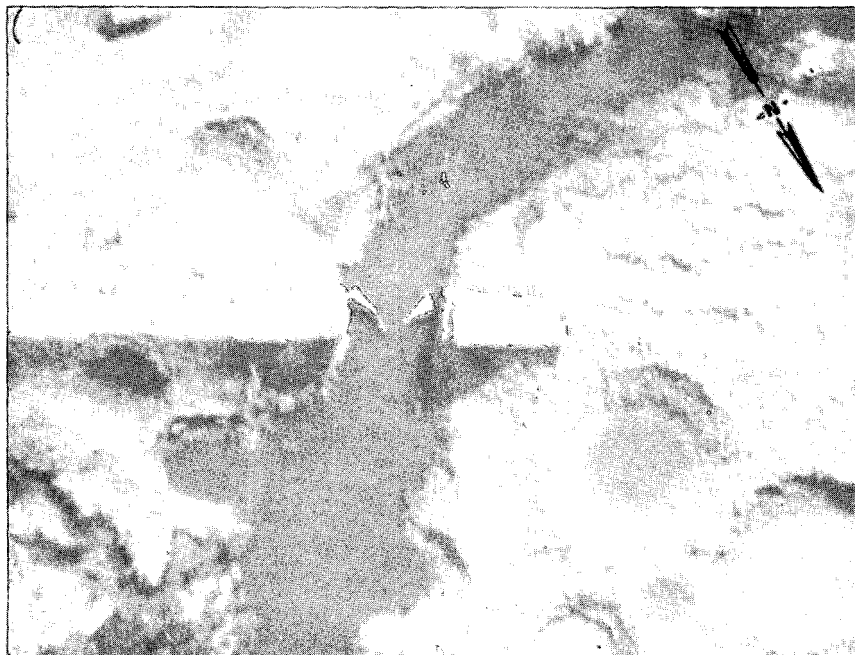
STATUS:

Span destroyed.

COMPENSATIVE ACTION:

None

NOTE: All measurements are approximate.



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DDI IMAGERY ANALYSIS STAFF

25X1

25X1

NAME	Phuong Can Hwy. Bridge over Song Hoang Mai <input type="text"/> Bridge No. 5 on NE 48-3	COUNTRY	North Vietnam	COORDINATES	19 14N - 105 42E WG742273
MAP	JOG (A) 1501 NE 48-3			BRIEF NO:	PIB 75590 April 1967

LOCATION: 0.8 nm SW of Thien Ki on Route 1A.

DESCRIPTION:

25X1

LENGTH 200'  
WIDTH   
TYPE Deck

MATERIAL Concrete and steel  
NO. OF SPANS 5  
LENGTH OF EACH SPAN 40'

STATUS:

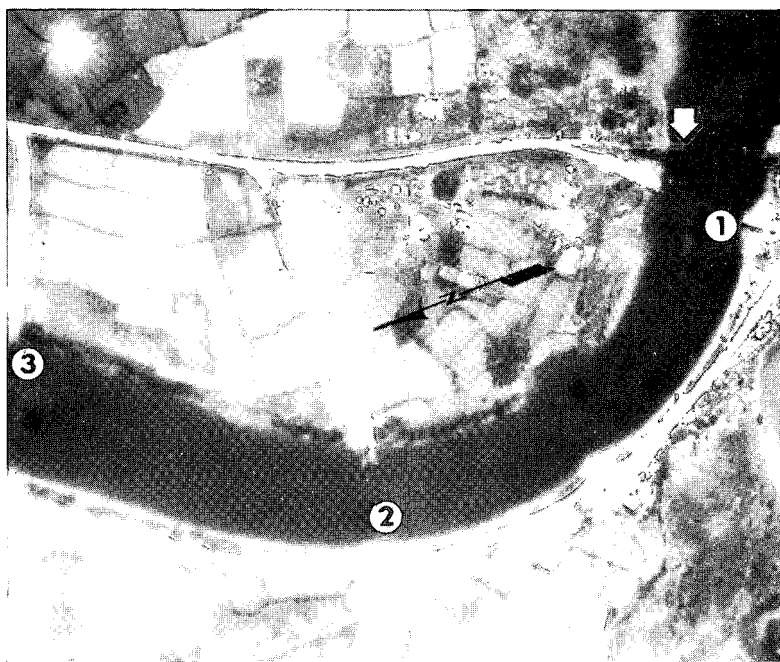
Replacement cable bridge unserviceable; cables have apparently been removed; no new bomb damage observed.

COMPENSATIVE ACTION:

- By-Pass No. 1 - ferry landings 100' W of main bridge; serviceable; no ferryboats noted.
- By-Pass No. 2 - ferry landings 360' NW of main bridge; serviceable; no ferryboats noted.
- By-Pass No. 3 - ferry landings 500' NW of main bridge; serviceable; no ferryboats noted.

25X1

NOTE: All measurements are approximate.



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## DDI IMAGERY ANALYSIS STAFF

25X1 NAME Bai Duc Thon RR. Bridge over  
Khe Ba Giang   
Bridge No. 7 on NE 48-7

COUNTRY North Vietnam

COORDINATES 18 03N - 105 50E  
WE886964

25X1 BRIEF NO:  
PIB 75592  
April 1967

MAP JOG (A) 1501 NE 48-7

LOCATION: 0.2 nm NE of Bai Duc Thon on the Hanoi/Dong Hoi Rail Line.

## DESCRIPTION:

LENGTH 140'  
WIDTH 10'  
TYPE Through-truss

MATERIAL Wood, steel, and concrete  
NO. OF SPANS Undetermined  
LENGTH OF EACH SPAN Undetermined

## STATUS:

25X1 No change 

## COMPENSATIVE ACTION:

25X1 By-Pass No. 1 - 10-span  single track, timber deck-beam rail bridge  
25X1 with spans measuring   
360' W of main bridge; serviceable.

25X1 

NOTE: All measurements are approximate.



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